4/12/05

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NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	FEB 25	CA/CAPLUS - Russian Agency for Patents and Trademarks (ROSPATENT) added to list of core patent offices covered
NEWS	4	FEB 28	PATDPAFULL - New display fields provide for legal status data from INPADOC
NEWS	5	FEB 28	BABS - Current-awareness alerts (SDIs) available
NEWS	6	FEB 28	MEDLINE/LMEDLINE reloaded
NEWS	7	MAR 02	GBFULL: New full-text patent database on STN
NEWS	8	MAR 03	REGISTRY/ZREGISTRY - Sequence annotations enhanced
NEWS	9	MAR 03	MEDLINE file segment of TOXCENTER reloaded
NEWS	10	MAR 22	KOREAPAT now updated monthly; patent information enhanced
NEWS	11	MAR 22	Original IDE display format returns to REGISTRY/ZREGISTRY
NEWS	12	MAR 22	PATDPASPC - New patent database available
NEWS	13	MAR 22	REGISTRY/ZREGISTRY enhanced with experimental property tags
NEWS	14	APR 04	EPFULL enhanced with additional patent information and new fields
NEWS	15	APR 04	EMBASE - Database reloaded and enhanced

NEWS EXPRESS	JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
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* * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 14:31:03 ON 13 APR 2005

4/12/05

```
=> file registry
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         0.21       0.21

FILE 'REGISTRY' ENTERED AT 14:31:11 ON 13 APR 2005
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STRUCTURE FILE UPDATES:   12 APR 2005  HIGHEST RN 848391-87-7
DICTIONARY FILE UPDATES:  12 APR 2005  HIGHEST RN 848391-87-7

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

**********************************************************************
*                                                                    *
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added,   *
* effective March 20, 2005.  A new display format, IDERL, is now    *
* available and contains the CA role and document type information. *
*                                                                    *
**********************************************************************

Crossover limits have been increased.  See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=>
Uploading C:\Program Files\Stnexp\Queries\10796396.str

L1      STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1              STR
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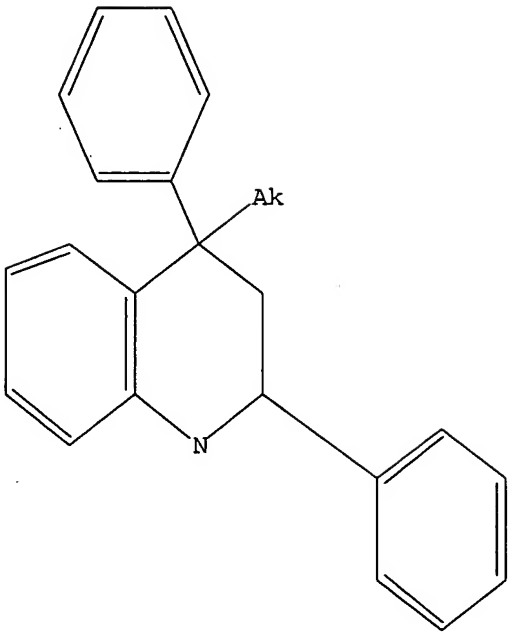

G1 O,S,CH2

G2 C,N

Structure attributes must be viewed using STN Express query preparation.

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=> s l1
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SAMPLE SCREEN SEARCH COMPLETED -   4738 TO ITERATE

 21.1% PROCESSED    1000 ITERATIONS                                 2 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:        90633 TO    98887
PROJECTED ANSWERS:               5 TO      373

L2            2 SEA SSS SAM L1

=> s l1 ful
FULL SEARCH INITIATED 14:31:40 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -  95702 TO ITERATE

100.0% PROCESSED   95702 ITERATIONS                             119 ANSWERS
SEARCH TIME: 00.00.03

L3          119 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                   ENTRY    SESSION
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4/12/05

FULL ESTIMATED COST 161.33 161.54

FILE 'CAPLUS' ENTERED AT 14:31:47 ON 13 APR 2005
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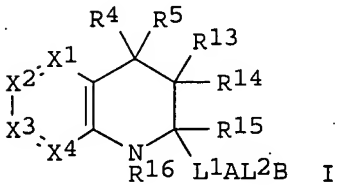
FILE COVERS 1907 - 13 Apr 2005 VOL 142 ISS 16
FILE LAST UPDATED: 12 Apr 2005 (20050412/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l3
L4 10 L3

=> d abs bib hitstr 1-10

L4 ANSWER 1 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN
GI



I

AB Title compds. [I; L1 = bond, CH2, CH2CH2, CH2O, CH2CO, etc.; L2 = bond, O, CO, CO2, S, SO, SO2, CONR8, SO2NR8, etc.; A = (substituted) carbocyclylene, heterocyclylene; B = (substituted) alkyl, alkenyl, alkynyl, carbocyclyl, heterocyclyl; X1-X4 = CR1, CR2, N, etc.; R1 = H, F, Cl, Br, iodo, OCF3, CF3, cyano, NH2, alkylamino, dialkylamino, CONH2, CH2CH2NH2, etc.; R2 = H, F, Cl, Br, iodo, OCF3, CF3, cyano, NO2, amino, aminocarbonyl, (substituted) alkyl, alkenyl, alkynyl, carbocyclyl, heterocyclyl, etc.; R4 = H, F, haloalkyl, (substituted) alkyl, alkenyl, alkynyl, carbocyclyl, heterocyclyl, etc.; R5 = H, F, haloalkyl, (substituted) alkyl, alkenyl, alkynyl, heterocyclyl(alkyl), etc.; R13 = H, F, alkyl, aminoalkyl, CF3, aminocarbonyl, etc.; R14 = H, alkyl, aminoalkyl, F, CF3, aminocarbonyl, etc.; R13R14 = O; R15 = H, alkyl; R16 = H, alkyl, PhCH2, alkylcarbonyl, alkylsulfonyl, alkoxycarbonyl], were prepared Thus, 4-amidinobenzamidine monohydrochloride, styrene,

1'-formyl-1-benzyloxycarbonyl-4-isobutylcarbamoylbiphenyl (preparation given) and indium triflate were heated together at 70° in MeCN for 12 h to give a product which was hydrogenolyzed in MeOH/HOAc over Pd/C to give 2'-(6-carbamimidoyl-4-phenyl-1,2,3,4-tetrahydroquinolin-2-yl)-4-isobutylcarbamoylbiphenyl-2-carboxylic acid. I inhibited Factor XIa with Ki ≤15 μM.

AN 2004:780670 CAPLUS
DN 141:295874
TI Preparation of tetrahydroquinoline derivatives as inhibitors of serine protease enzymes of the coagulation cascade and/or contact activation system.
IN Quan, Mimi L.; Wang, Cailan; Zhou, Jinglan; Hangeland, Jon J.; Seiffert, Dietmar A.; Knabb, Robert M.
PA Bristol-Myers Squibb Company, USA
SO PCT Int. Appl., 150 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004080971	A1	20040923	WO 2004-US7216	20040310
	W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
	RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	US 2004235847	A1	20041125	US 2004-796396	20040309
PRAI	US 2003-453812P	P	20030311		
	US 2004-796396	A	20040309		

OS MARPAT 141:295874
IT **762253-33-8P 762253-34-9P 762253-40-7P**
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762253-47-4P 762253-48-5P 762253-50-9P
762253-51-0P 762253-52-1P 762253-53-2P
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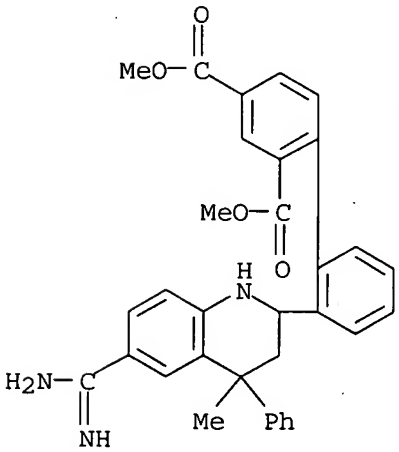
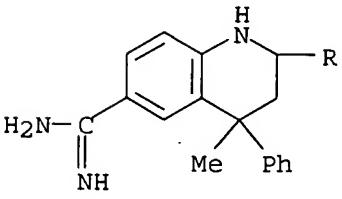
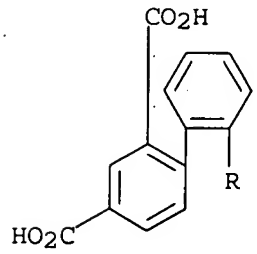
762254-13-7P 762254-15-9P 762254-16-0P
762254-17-1P 762254-19-3P 762254-69-3P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of carbaminidoyltetrahydroquinoline derivs. as inhibitors of serine protease enzymes of the coagulation cascade and/or contact activation system)

RN 762253-33-8 CAPLUS
CN [1,1'-Biphenyl]-2,4-dicarboxylic acid, 2'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-, dimethyl ester (9CI) (CA INDEX NAME)



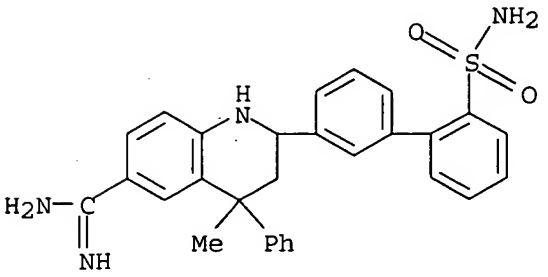
RN 762253-34-9 CAPLUS
CN [1,1'-Biphenyl]-2,4-dicarboxylic acid, 2'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]- (9CI) (CA INDEX NAME)



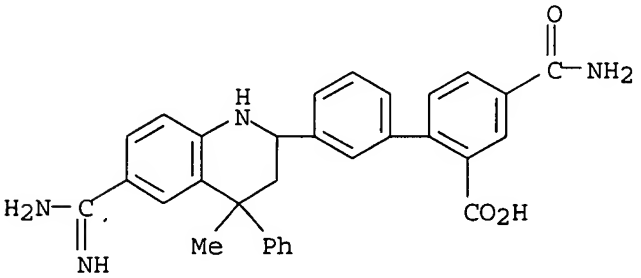


RN 762253-40-7 CAPLUS

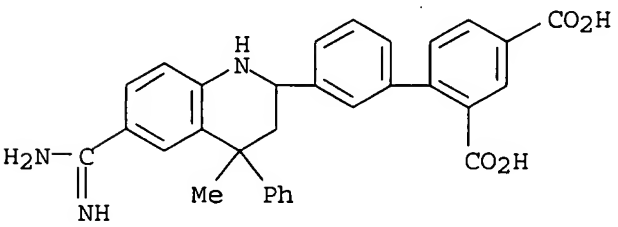
CN 6-Quinolinecarboximidamide, 2-[2'-(aminosulfonyl)[1,1'-biphenyl]-3-yl]-1,2,3,4-tetrahydro-4-methyl-4-phenyl- (9CI) (CA INDEX NAME)



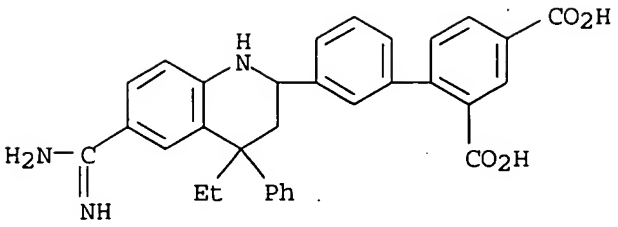
RN 762253-43-0 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]- (9CI) (CA INDEX NAME)



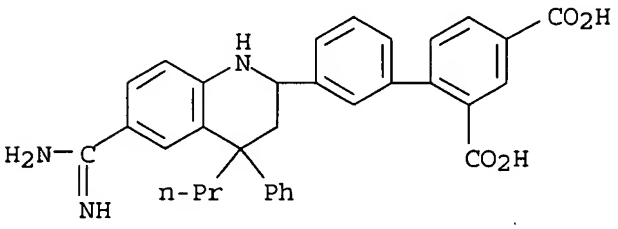
RN 762253-45-2 CAPLUS
CN [1,1'-Biphenyl]-2,4-dicarboxylic acid, 3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]- (9CI) (CA INDEX NAME)



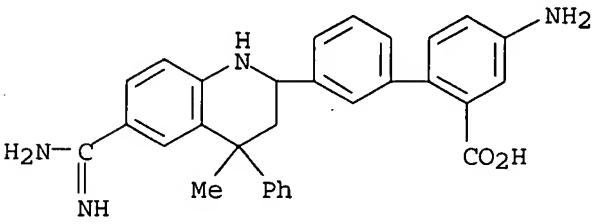
RN 762253-46-3 CAPLUS
CN [1,1'-Biphenyl]-2,4-dicarboxylic acid, 3'-[6-(aminoiminomethyl)-4-ethyl-1,2,3,4-tetrahydro-4-phenyl-2-quinolinyl]- (9CI) (CA INDEX NAME)



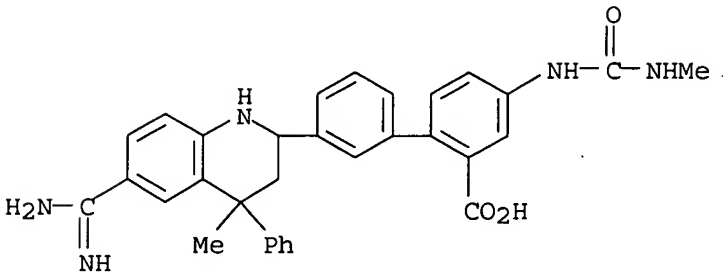
RN 762253-47-4 CAPLUS
CN [1,1'-Biphenyl]-2,4-dicarboxylic acid, 3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-phenyl-4-propyl-2-quinolinyl]- (9CI) (CA INDEX NAME)



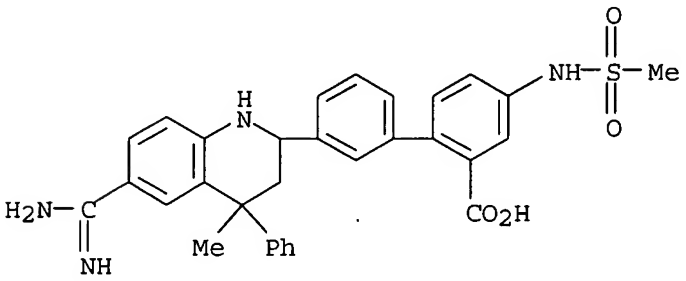
RN 762253-48-5 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-amino-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]- (9CI) (CA INDEX NAME)



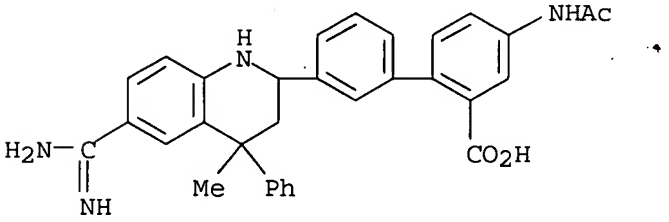
RN 762253-50-9 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-4-[[(methylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)



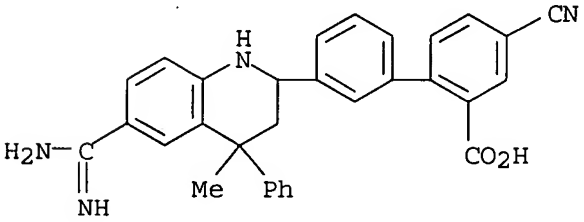
RN 762253-51-0 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-4-[(methylsulfonyl)amino]- (9CI) (CA INDEX NAME)



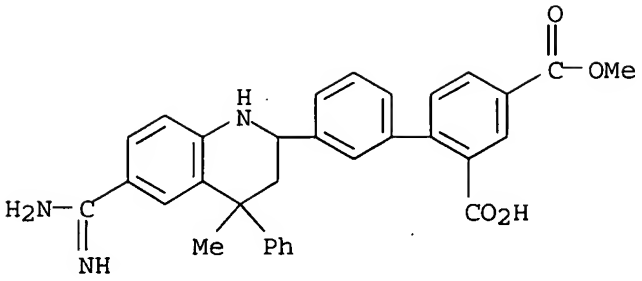
RN 762253-52-1 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(acetylamino)-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]- (9CI) (CA INDEX NAME)



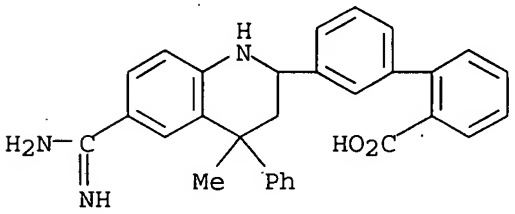
RN 762253-53-2 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-4-cyano- (9CI) (CA INDEX NAME)



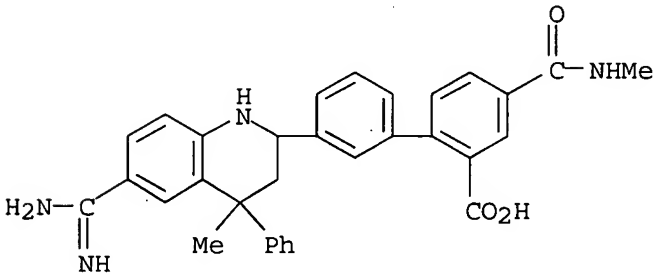
RN 762253-54-3 CAPLUS
CN [1,1'-Biphenyl]-2,4-dicarboxylic acid, 3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-, 4-methyl ester (9CI) (CA INDEX NAME)



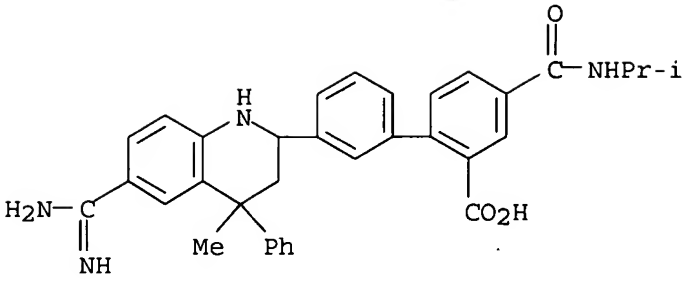
RN 762253-55-4 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]- (9CI) (CA INDEX NAME)



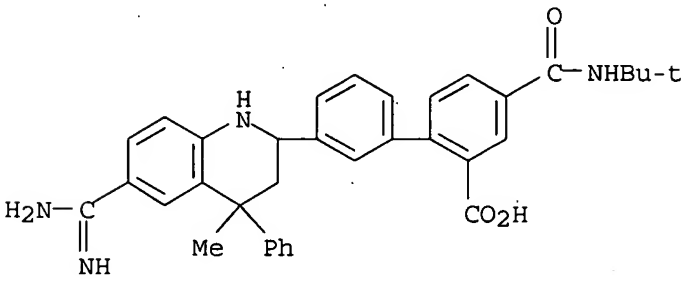
RN 762253-56-5 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-4-[(methylamino)carbonyl]- (9CI) (CA INDEX NAME)



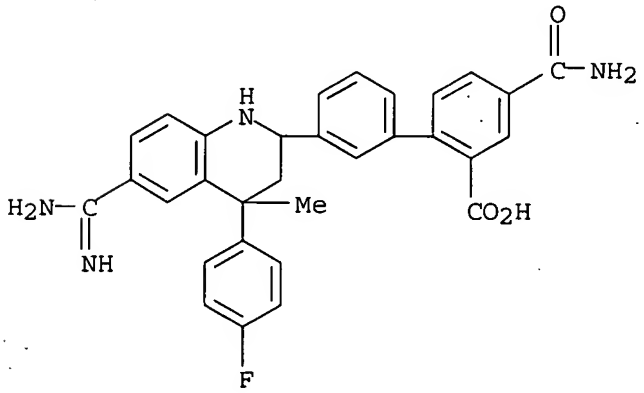
RN 762253-57-6 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-4-[[(1-methylethyl)amino]carbonyl]- (9CI) (CA INDEX NAME)



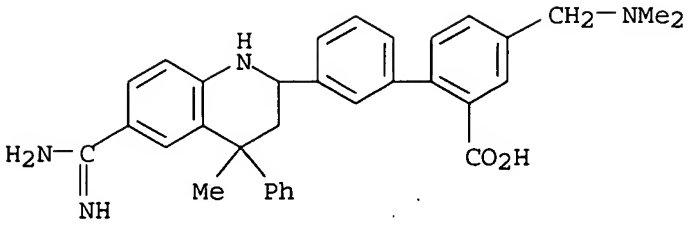
RN 762253-58-7 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-4-[[(1,1-dimethylethyl)amino]carbonyl]- (9CI) (CA INDEX NAME)



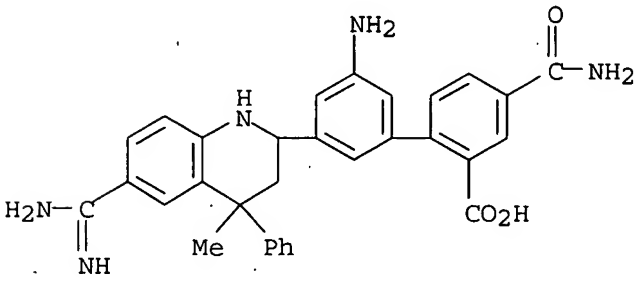
RN 762253-59-8 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoiminomethyl)-4-(4-fluorophenyl)-1,2,3,4-tetrahydro-4-methyl-2-quinolinyl]- (9CI) (CA INDEX NAME)



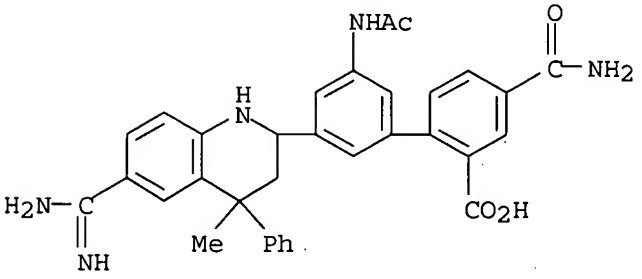
RN 762253-60-1 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-4-[(dimethylamino)methyl]- (9CI) (CA INDEX NAME)



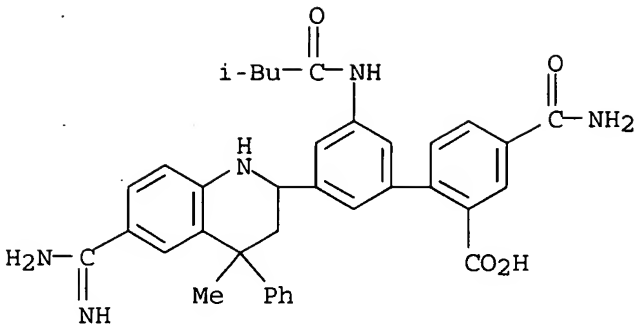
RN 762253-62-3 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 3'-amino-4-(aminocarbonyl)-5'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]- (9CI) (CA INDEX NAME)



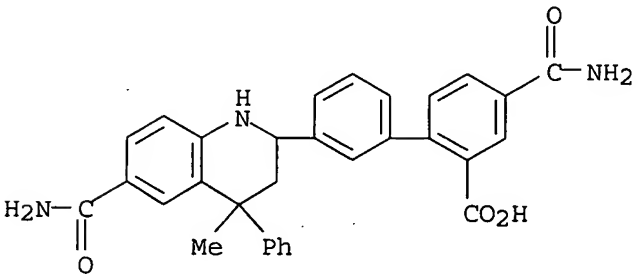
RN 762253-64-5 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 3'-(acetylamino)-4-(aminocarbonyl)-5'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]- (9CI) (CA INDEX NAME)



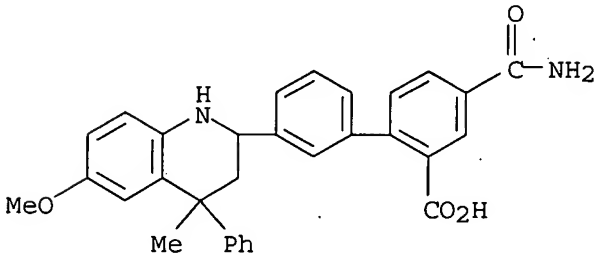
RN 762253-65-6 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-5'-[(3-methyl-1-oxobutyl)amino]- (9CI) (CA INDEX NAME)



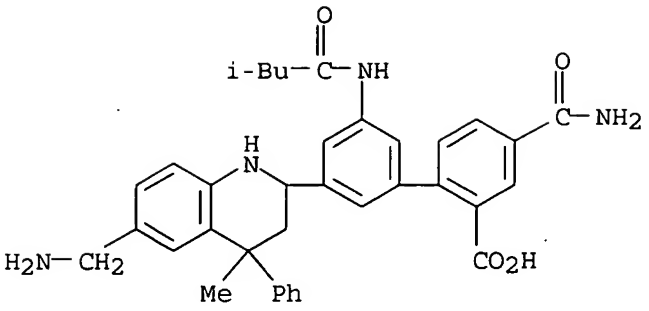
RN 762253-66-7 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminocarbonyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]- (9CI) (CA INDEX NAME)



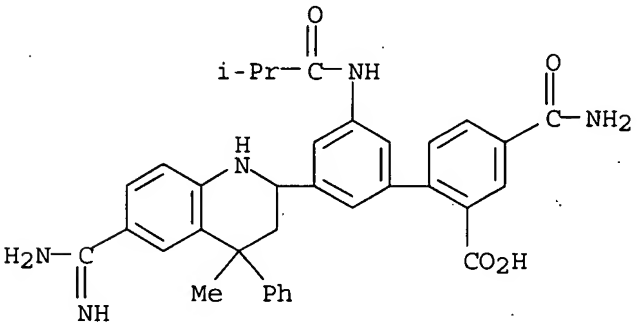
RN 762253-67-8 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-(1,2,3,4-tetrahydro-6-methoxy-4-methyl-4-phenyl-2-quinolinyl)- (9CI) (CA INDEX NAME)



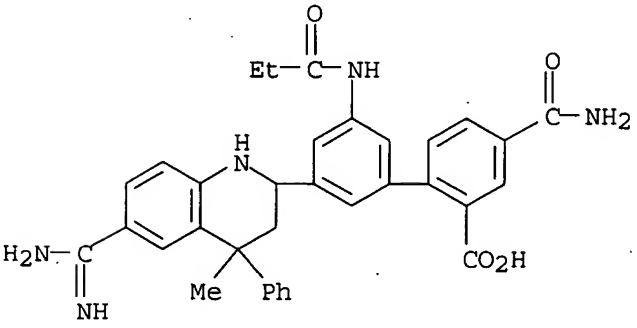
RN 762253-68-9 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-5'-[(3-methyl-1-oxobutyl)amino]- (9CI) (CA INDEX NAME)



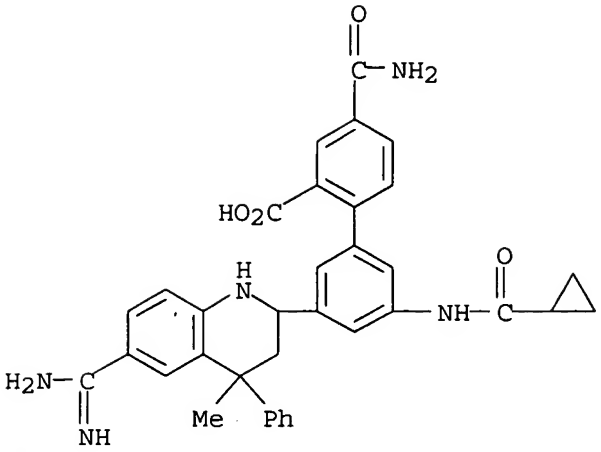
RN 762253-69-0 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-5'-[(2-methyl-1-oxopropyl)amino]- (9CI) (CA INDEX NAME)



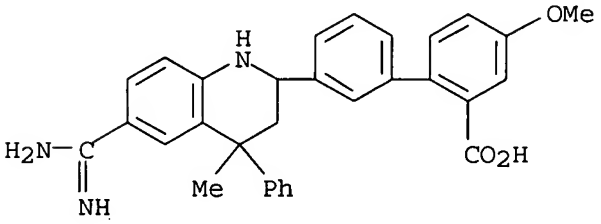
RN 762253-70-3 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-5'-[(1-oxopropyl)amino]- (9CI) (CA INDEX NAME)



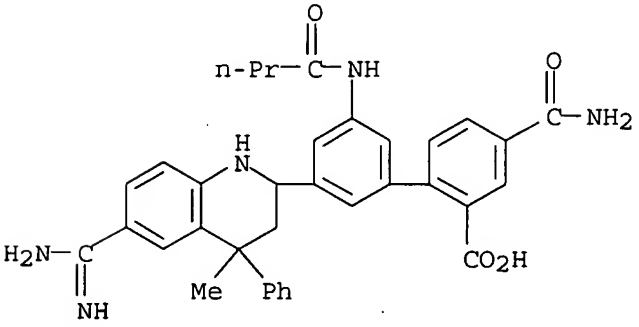
RN 762253-71-4 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-5'-[(cyclopropylcarbonyl)amino]- (9CI) (CA INDEX NAME)



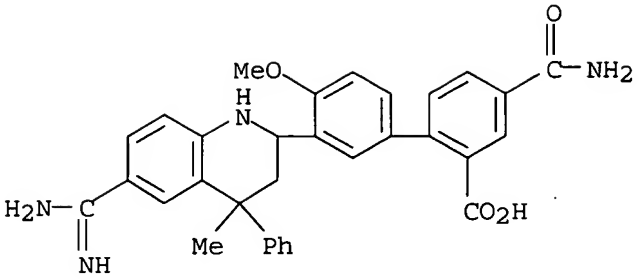
RN 762253-72-5 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-4-methoxy- (9CI) (CA INDEX NAME)



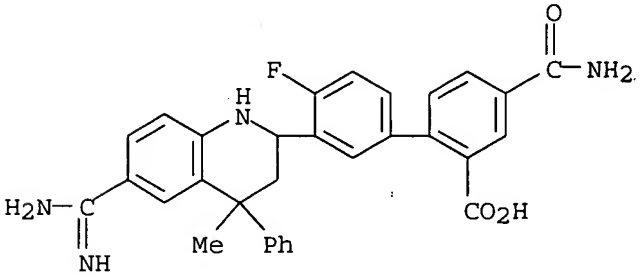
RN 762253-73-6 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-5'-[(1-oxobutyl)amino]- (9CI) (CA INDEX NAME)



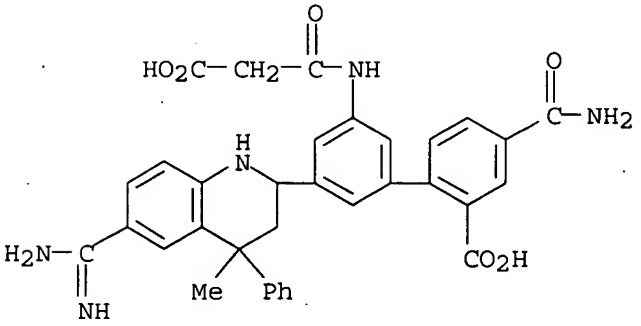
RN 762253-74-7 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-4'-methoxy- (9CI) (CA INDEX NAME)



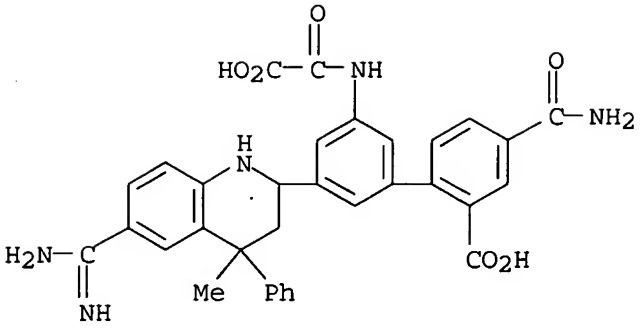
RN 762253-75-8 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-4'-fluoro- (9CI) (CA INDEX NAME)



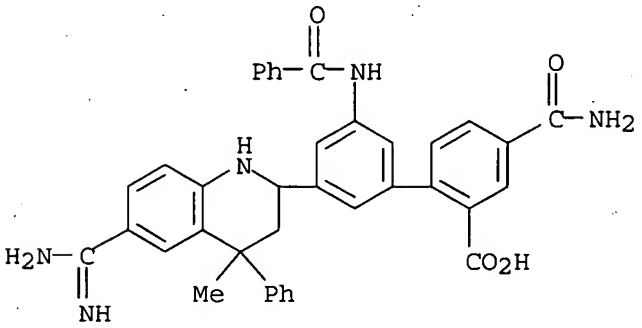
RN 762253-76-9 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-5'-[(carboxyacetyl)amino]- (9CI) (CA INDEX NAME)



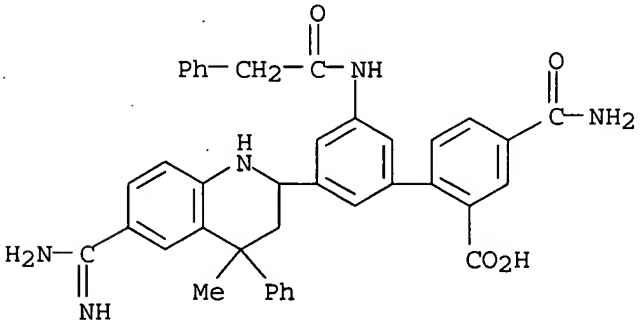
RN 762253-77-0 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-5'-[(carboxycarbonyl)amino]- (9CI) (CA INDEX NAME)



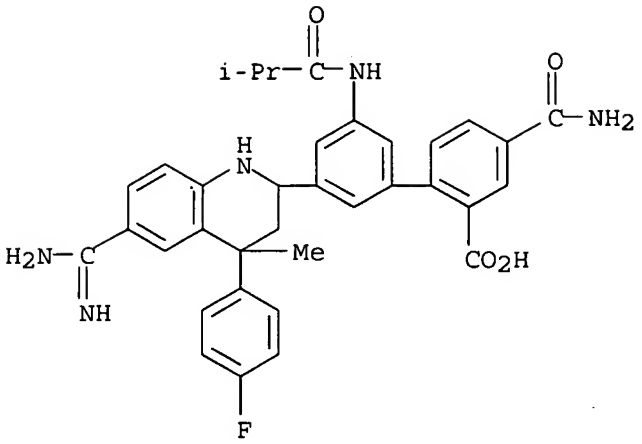
RN 762253-78-1 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-5'-(benzoylamino)- (9CI) (CA INDEX NAME)



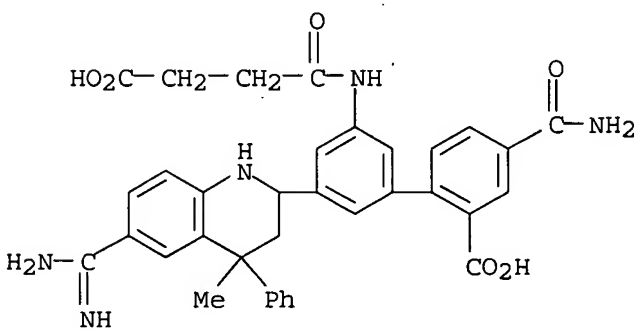
RN 762253-79-2 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-5'-[(phenylacetyl)amino]- (9CI) (CA INDEX NAME)



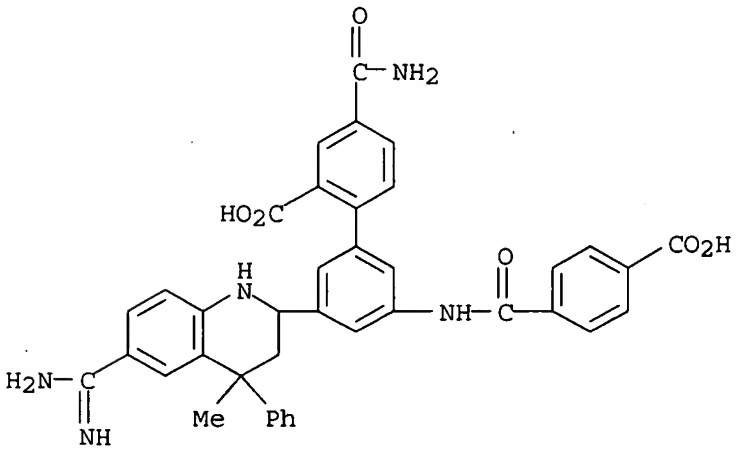
RN 762253-80-5 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoiminomethyl)-4-(4-fluorophenyl)-1,2,3,4-tetrahydro-4-methyl-2-quinolinyl]-5'-[(2-methyl-1-oxopropyl)amino]- (9CI) (CA INDEX NAME)



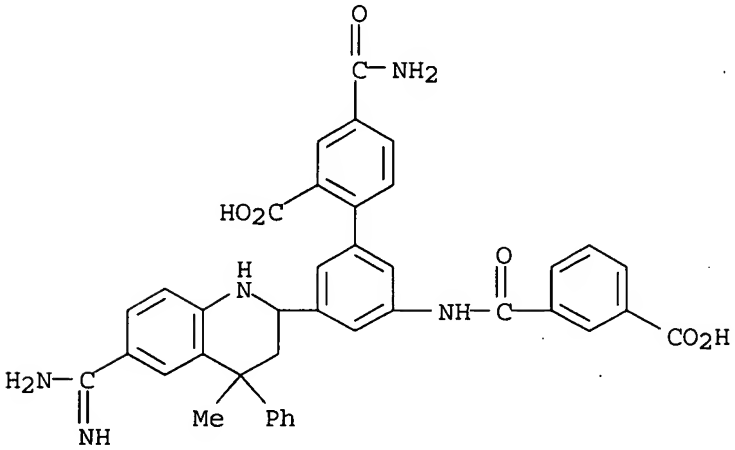
RN 762253-81-6 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-5'-[(3-carboxy-1-oxopropyl)amino]- (9CI) (CA INDEX NAME)



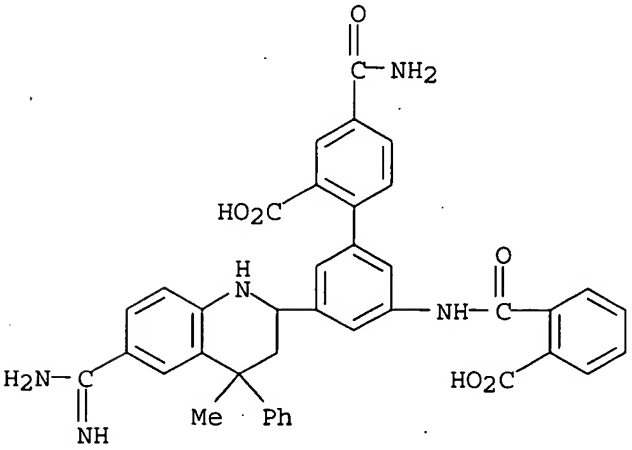
RN 762253-82-7 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-5'-[(4-carboxybenzoyl)amino]- (9CI) (CA INDEX NAME)



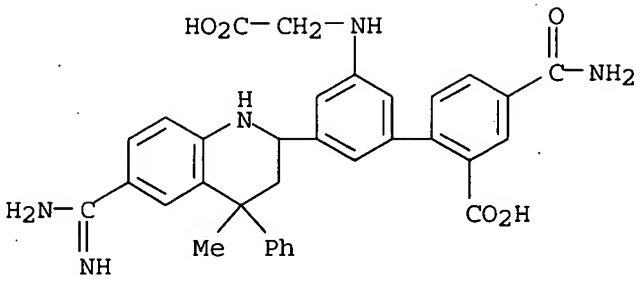
RN 762253-83-8 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-5'-[(3-carboxybenzoyl)amino]- (9CI) (CA INDEX NAME)



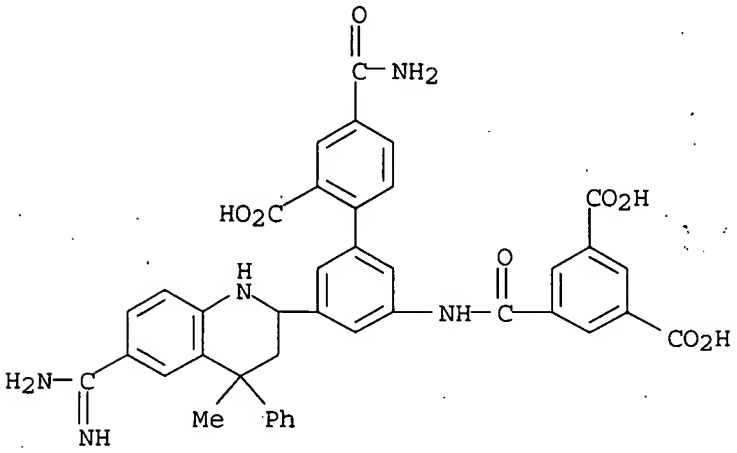
RN 762253-84-9 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-5'-[(2-carboxybenzoyl)amino]- (9CI) (CA INDEX NAME)



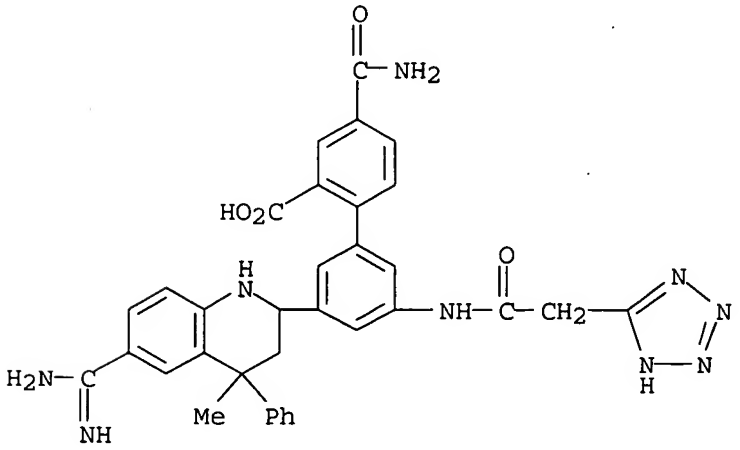
RN 762253-85-0 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-5'-[(carboxymethyl)amino]- (9CI) (CA INDEX NAME)



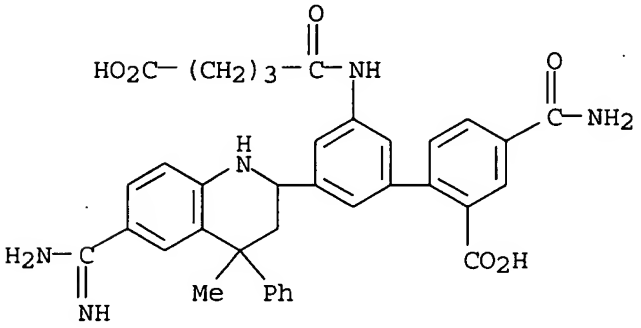
RN 762253-86-1 CAPLUS
CN 1,3-Benzenedicarboxylic acid, 5-[[[4'-(aminocarbonyl)-5-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-2'-carboxy[1,1'-biphenyl]-3-yl]amino]carbonyl]- (9CI) (CA INDEX NAME)



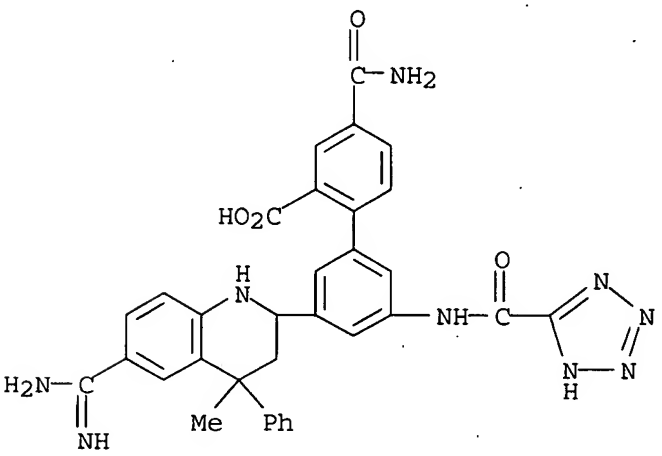
RN 762253-87-2 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-5'-[(1H-tetrazol-5-ylacetyl)amino]- (9CI) (CA INDEX NAME)



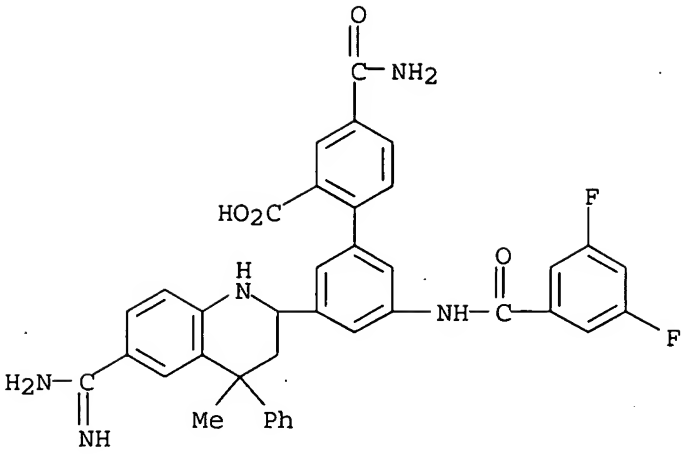
RN 762253-88-3 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-5'-[(4-carboxy-1-oxobutyl)amino]- (9CI) (CA INDEX NAME)



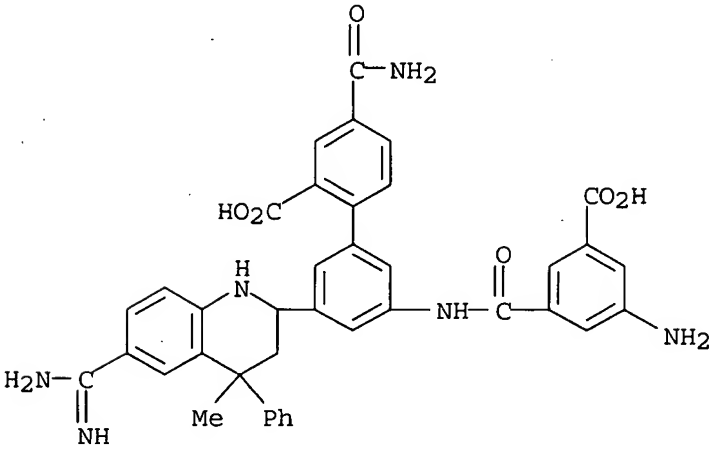
RN 762253-89-4 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-5'-[(1H-tetrazol-5-ylcarbonyl)amino]- (9CI) (CA INDEX NAME)



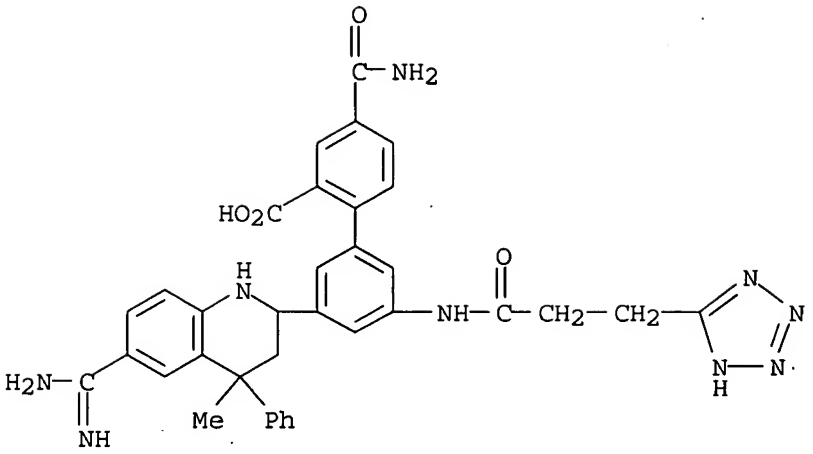
RN 762253-91-8 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-5'-[(3,5-difluorobenzoyl)amino]- (9CI) (CA INDEX NAME)



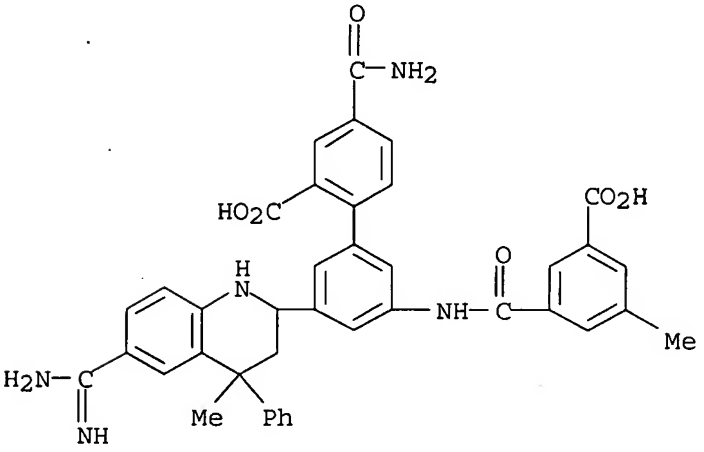
RN 762253-92-9 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[(3-amino-5-carboxybenzoyl)amino]-5'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]- (9CI) (CA INDEX NAME)



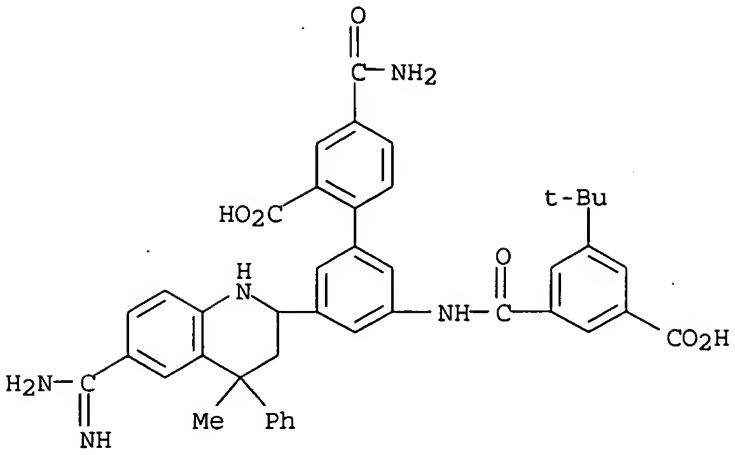
RN 762253-93-0 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-5'-[[1-oxo-3-(1H-tetrazol-5-yl)propyl]amino]- (9CI) (CA INDEX NAME)



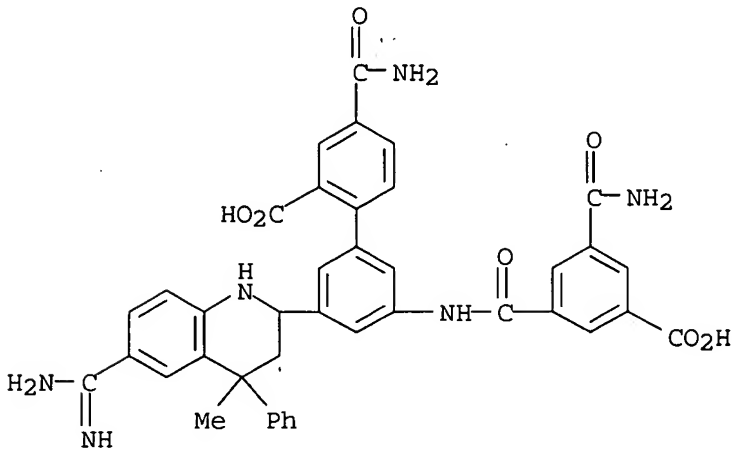
RN 762253-94-1 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-5'-[(3-carboxy-5-methylbenzoyl)amino]- (9CI) (CA INDEX NAME)



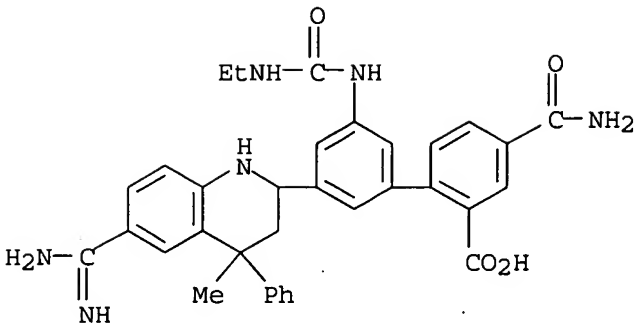
RN 762253-95-2 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-5'-[[3-carboxy-5-(1,1-dimethylethyl)benzoyl]amino]- (9CI) (CA INDEX NAME)



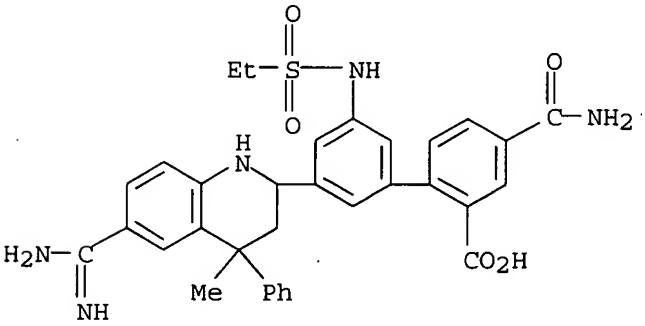
RN 762253-96-3 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[[3-(aminocarbonyl)-5-carboxybenzoyl]amino]-5'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]- (9CI) (CA INDEX NAME)



RN 762253-97-4 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-5'-[[(ethylamino)carbonyl]amino]- (9CI) (CA INDEX NAME)



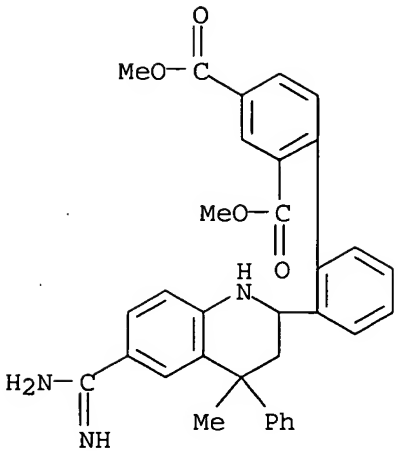
RN 762253-98-5 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-5'-[(ethylsulfonyl)amino]- (9CI) (CA INDEX NAME)



RN 762254-03-5 CAPLUS
CN [1,1'-Biphenyl]-2,4-dicarboxylic acid, 2'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-, dimethyl ester, trifluoroacetate (9CI) (CA INDEX NAME)

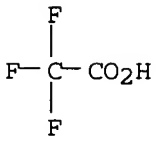
CM 1

CRN 762253-33-8
CMF C33 H31 N3 O4



CM 2

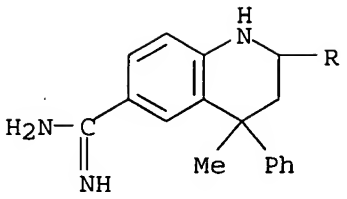
CRN 76-05-1
CMF C2 H F3 O2

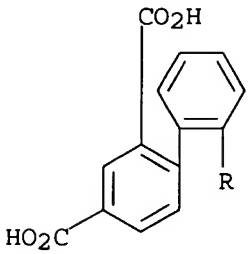


RN 762254-04-6 CAPLUS
CN [1,1'-Biphenyl]-2,4-dicarboxylic acid, 2'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-, trifluoroacetate (9CI) (CA INDEX NAME)

CM 1

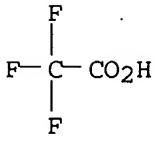
CRN 762253-34-9
CMF C31 H27 N3 O4





CM 2

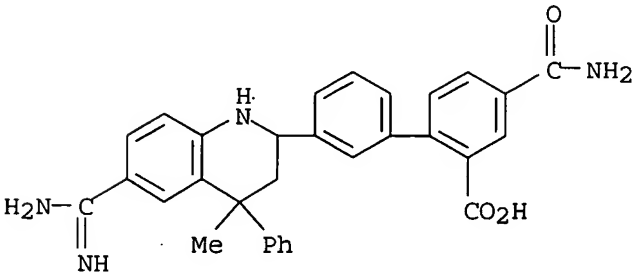
CRN 76-05-1
CMF C2 H F3 O2



RN 762254-08-0 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-, trifluoroacetate (9CI) (CA INDEX NAME)

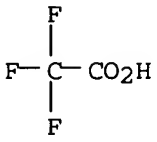
CM 1

CRN 762253-43-0
CMF C31 H28 N4 O3



CM 2

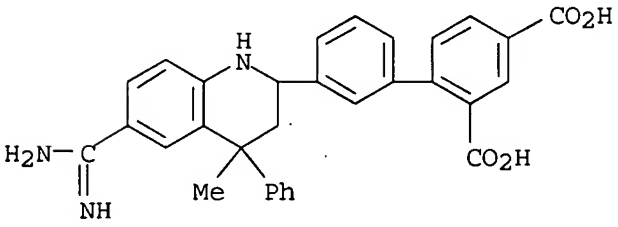
CRN 76-05-1
CMF C2 H F3 O2



RN 762254-10-4 CAPLUS
CN [1,1'-Biphenyl]-2,4-dicarboxylic acid, 3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-, trifluoroacetate (9CI) (CA INDEX NAME)

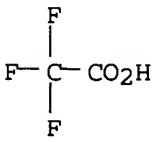
CM 1

CRN 762253-45-2
CMF C31 H27 N3 O4



CM 2

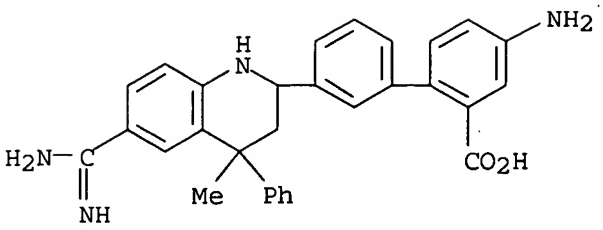
CRN 76-05-1
CMF C2 H F3 O2



RN 762254-11-5 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-amino-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-, trifluoroacetate (9CI) (CA INDEX NAME)

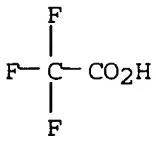
CM 1

CRN 762253-48-5
CMF C30 H28 N4 O2



CM 2

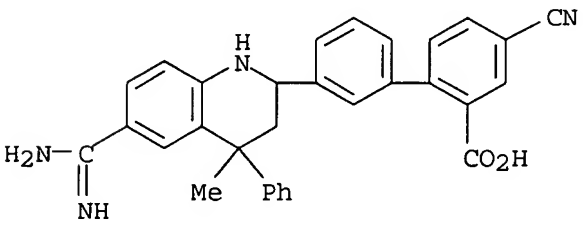
CRN 76-05-1
CMF C2 H F3 O2



RN 762254-12-6 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-4-cyano-, trifluoroacetate (9CI) (CA INDEX NAME)

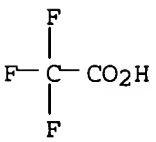
CM 1

CRN 762253-53-2
CMF C31 H26 N4 O2



CM 2

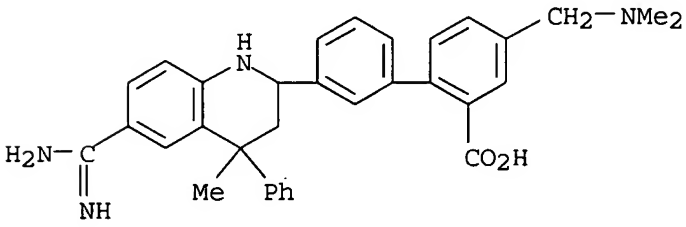
CRN 76-05-1
CMF C2 H F3 O2



RN 762254-13-7 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-4-[(dimethylamino)methyl]-, trifluoroacetate (9CI) (CA INDEX NAME)

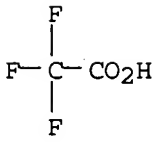
CM 1

CRN 762253-60-1
CMF C33 H34 N4 O2



CM 2

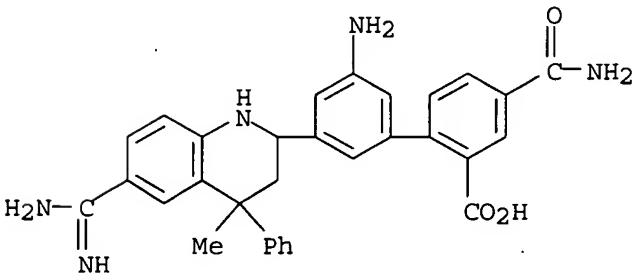
CRN 76-05-1
CMF C2 H F3 O2



RN 762254-15-9 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 3'-amino-4-(aminocarbonyl)-5'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-, trifluoroacetate (9CI) (CA INDEX NAME)

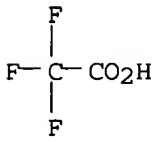
CM 1

CRN 762253-62-3
CMF C31 H29 N5 O3



CM 2

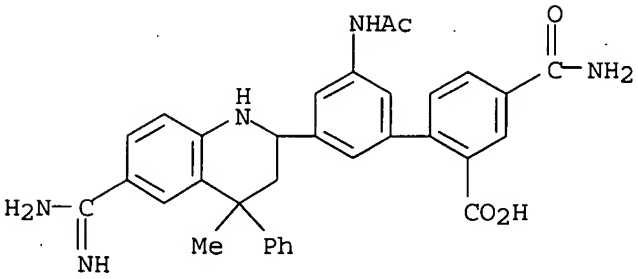
CRN 76-05-1
CMF C2 H F3 O2



RN 762254-16-0 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 3'-(acetylamino)-4-(aminocarbonyl)-5'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-, trifluoroacetate (9CI) (CA INDEX NAME)

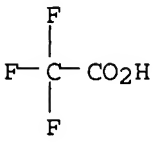
CM 1

CRN 762253-64-5
CMF C33 H31 N5 O4



CM 2

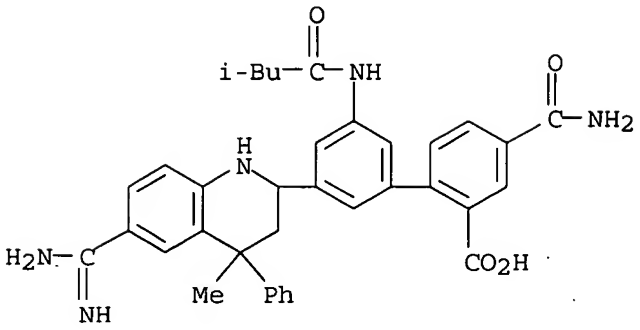
CRN 76-05-1
CMF C2 H F3 O2



RN 762254-17-1 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-5'-[(3-methyl-1-oxobutyl)amino]-, trifluoroacetate (9CI) (CA INDEX NAME)

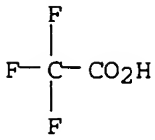
CM 1

CRN 762253-65-6
CMF C36 H37 N5 O4



CM 2

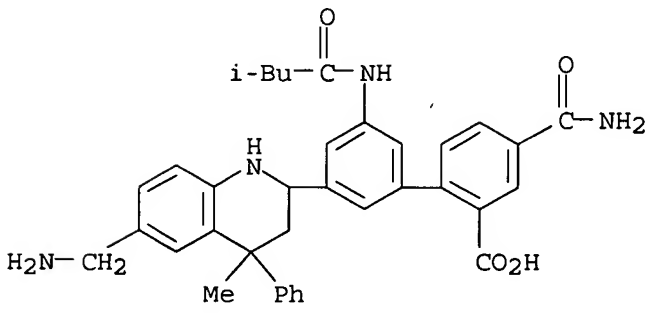
CRN 76-05-1
CMF C2 H F3 O2



RN 762254-19-3 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-5'-[(3-methyl-1-oxobutyl)amino]-, trifluoroacetate (9CI) (CA INDEX NAME)

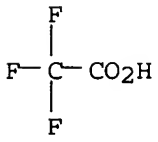
CM 1

CRN 762253-68-9
CMF C36 H38 N4 O4

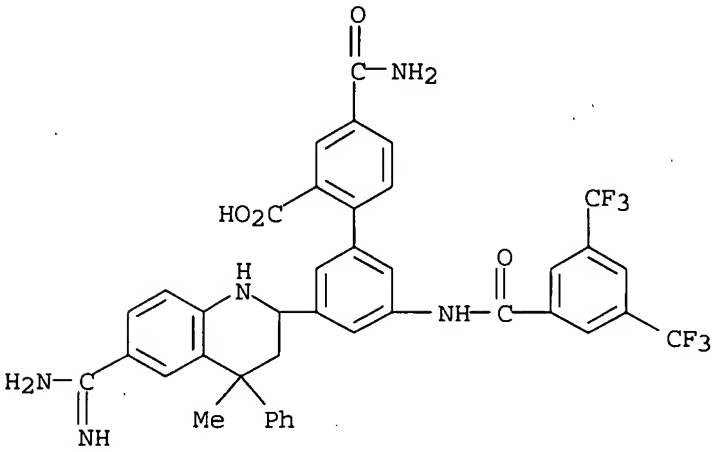


CM 2

CRN 76-05-1
CMF C2 H F3 O2

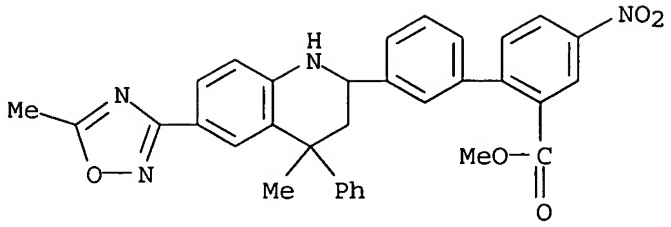


RN 762254-69-3 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[6-(aminoiminomethyl)-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl]-5'-[[3,5-bis(trifluoromethyl)benzoyl]amino]- (9CI) (CA INDEX NAME)

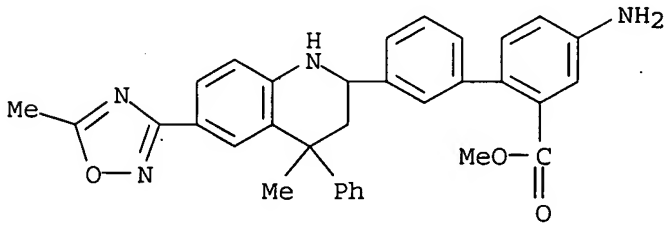


IT **762254-30-8P 762254-31-9P 762254-32-0P**
762254-34-2P 762254-35-3P 762254-37-5P
762254-39-7P 762254-47-7P 762254-50-2P
762254-58-0P 762254-60-4P 762254-61-5P
762254-62-6P 762254-63-7P 762254-65-9P
762254-67-1P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of carbaminidoyltetrahydroquinoline derivs. as inhibitors of serine protease enzymes of the coagulation cascade and/or contact activation system)

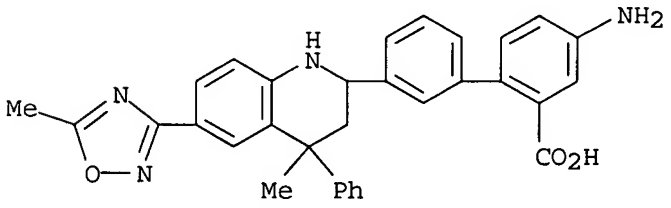
RN 762254-30-8 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-nitro-3'-[1,2,3,4-tetrahydro-4-methyl-6-(5-methyl-1,2,4-oxadiazol-3-yl)-4-phenyl-2-quinolinyl]-, methyl ester (9CI) (CA INDEX NAME)



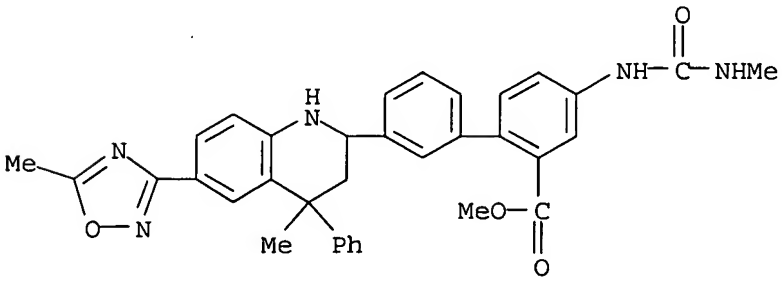
RN 762254-31-9 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-amino-3'-[1,2,3,4-tetrahydro-4-methyl-6-(5-methyl-1,2,4-oxadiazol-3-yl)-4-phenyl-2-quinolinyl]-, methyl ester (9CI) (CA INDEX NAME)



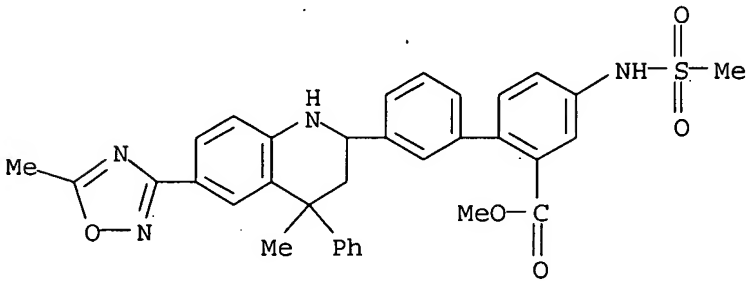
RN 762254-32-0 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-amino-3'-[1,2,3,4-tetrahydro-4-methyl-6-(5-methyl-1,2,4-oxadiazol-3-yl)-4-phenyl-2-quinolinyl]- (9CI) (CA INDEX NAME)



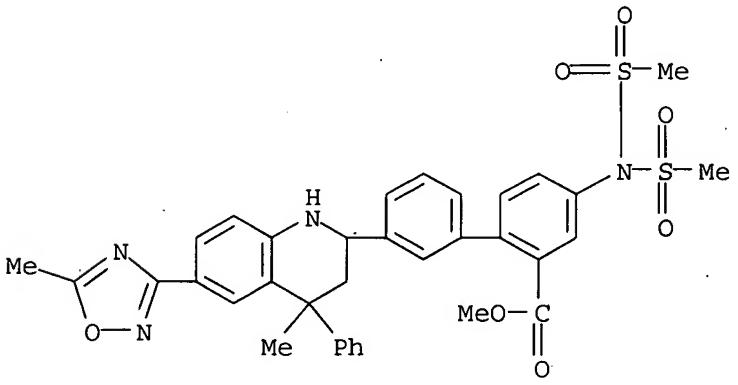
RN 762254-34-2 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-[[(methylamino)carbonyl]amino]-3'-[1,2,3,4-tetrahydro-4-methyl-6-(5-methyl-1,2,4-oxadiazol-3-yl)-4-phenyl-2-quinolinyl]-, methyl ester (9CI) (CA INDEX NAME)



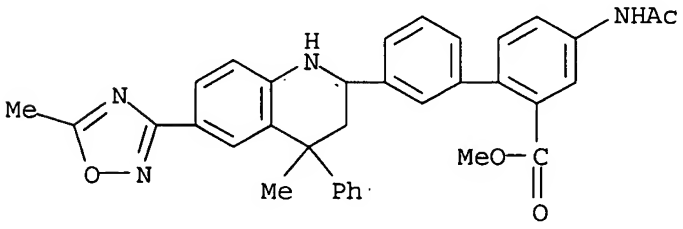
RN 762254-35-3 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-[(methylsulfonyl)amino]-3'-[1,2,3,4-tetrahydro-4-methyl-6-(5-methyl-1,2,4-oxadiazol-3-yl)-4-phenyl-2-quinolinyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 762254-37-5 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-[bis(methylsulfonyl)amino]-3'-[1,2,3,4-tetrahydro-4-methyl-6-(5-methyl-1,2,4-oxadiazol-3-yl)-4-phenyl-2-quinolinyl]-, methyl ester (9CI) (CA INDEX NAME)

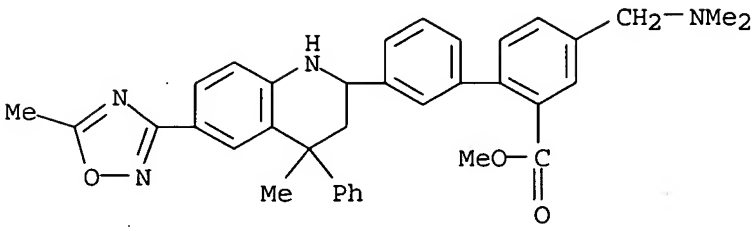


RN 762254-39-7 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(acetylamino)-3'-[1,2,3,4-tetrahydro-4-methyl-6-(5-methyl-1,2,4-oxadiazol-3-yl)-4-phenyl-2-quinolinyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 762254-47-7 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-[(dimethylamino)methyl]-3'-[1,2,3,4-tetrahydro-4-methyl-6-(5-methyl-1,2,4-oxadiazol-3-yl)-4-phenyl-2-

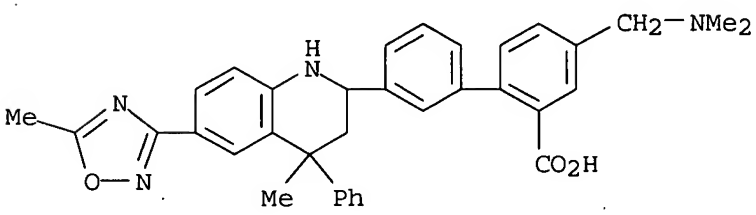
quinolinyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 762254-50-2 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-[(dimethylamino)methyl]-3'-[1,2,3,4-tetrahydro-4-methyl-6-(5-methyl-1,2,4-oxadiazol-3-yl)-4-phenyl-2-quinolinyl]-, trifluoroacetate (9CI) (CA INDEX NAME)

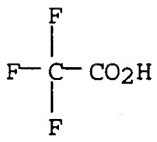
CM 1

CRN 762254-49-9
CMF C35 H34 N4 O3

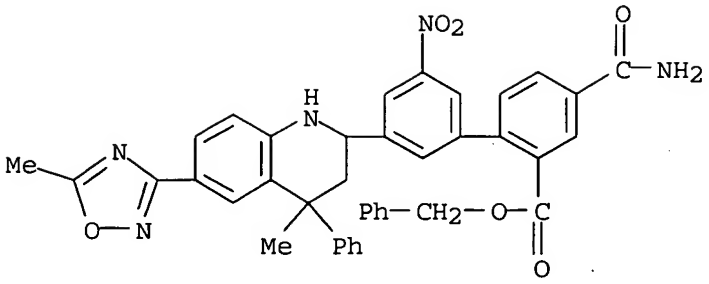


CM 2

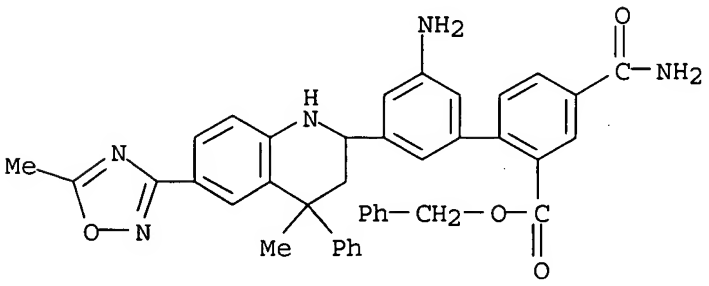
CRN 76-05-1
CMF C2 H F3 O2



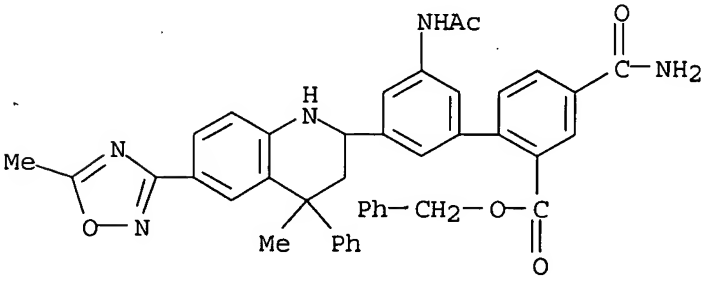
RN 762254-58-0 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-nitro-5'-[1,2,3,4-tetrahydro-4-methyl-6-(5-methyl-1,2,4-oxadiazol-3-yl)-4-phenyl-2-quinolinyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)



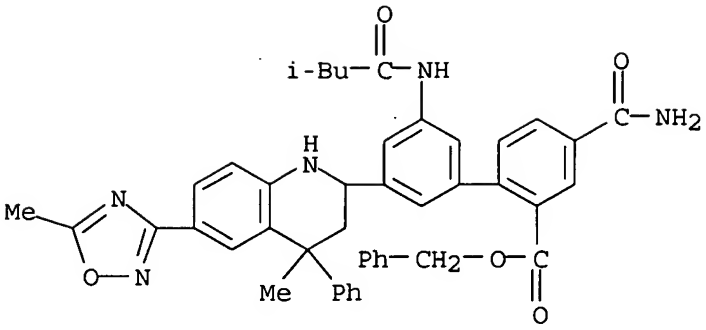
RN 762254-60-4 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 3'-amino-4-(aminocarbonyl)-5'-[1,2,3,4-tetrahydro-4-methyl-6-(5-methyl-1,2,4-oxadiazol-3-yl)-4-phenyl-2-quinolinyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)



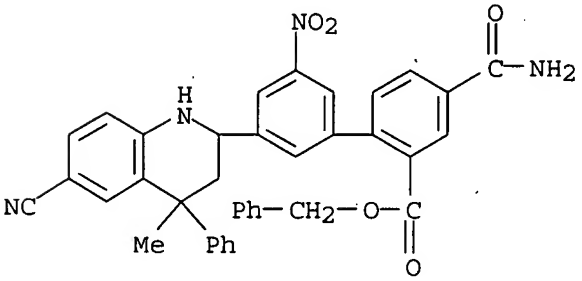
RN 762254-61-5 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 3'-(acetylamino)-4-(aminocarbonyl)-5'-[1,2,3,4-tetrahydro-4-methyl-6-(5-methyl-1,2,4-oxadiazol-3-yl)-4-phenyl-2-quinolinyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)



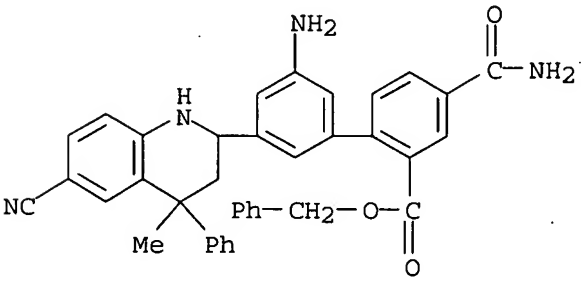
RN 762254-62-6 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-[(3-methyl-1-oxobutyl)amino]-5'-[1,2,3,4-tetrahydro-4-methyl-6-(5-methyl-1,2,4-oxadiazol-3-yl)-4-phenyl-2-quinolinyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)



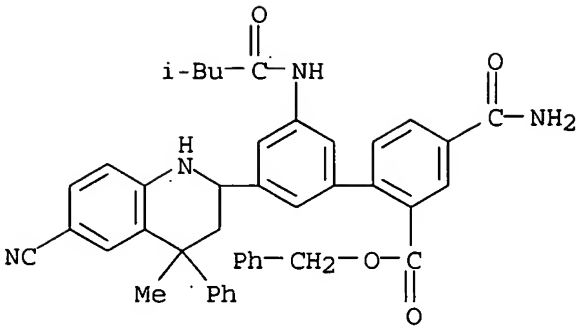
RN 762254-63-7 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-(6-cyano-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl)-5'-nitro-, phenylmethyl ester (9CI) (CA INDEX NAME)



RN 762254-65-9 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 3'-amino-4-(aminocarbonyl)-5'-(6-cyano-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl)-, phenylmethyl ester (9CI) (CA INDEX NAME)

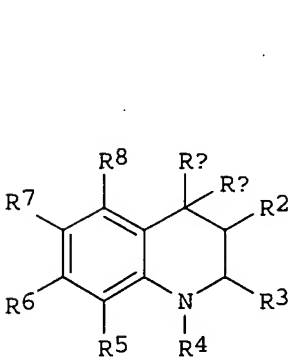


RN 762254-67-1 CAPLUS
CN [1,1'-Biphenyl]-2-carboxylic acid, 4-(aminocarbonyl)-3'-(6-cyano-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-quinolinyl)-5'-[(3-methyl-1-oxobutyl)amino]-, phenylmethyl ester (9CI) (CA INDEX NAME)



RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN
GI



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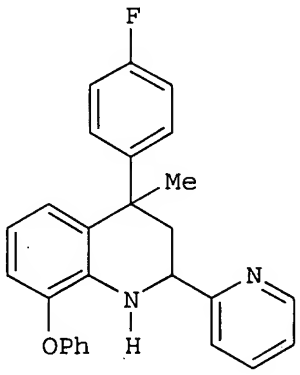


II

AB Title compds. I [Rb and R2 together = (CH2)n, CH=CHCH2, CH2CH=CH, etc.; n = 3-10; Ra = H; R3 = H, alkyl, cycloalkyl, etc.; R4 = R4a, ZR4a; R4a = H, alkyl, alkenyl, etc.; Z = alkyl, alkenyl, alkynyl, etc.; R5, R6, R7, R8 = H, halo, CN, etc.] and their pharmaceutically acceptable salts were prepared In sodium channel [3H]batrachotoxin (BTX) displacement assays, 261-examples of compds. I exhibited 00.0-91.7% binding, e.g., the affinity of tetrahydroquinoline was 91.7%.
AN 2004:198148 CAPLUS
DN 140:253456
TI Preparation of 1,2,3,4-tetrahydro-4-phenylquinolines and related compounds as sodium channel ligands for the treatment of pain
IN Hennies, Hagen-Heinrich; Maul, Corinna; Przewosny, Michael; Sundermann, Bernd
PA Gruenenthal G.m.b.H., Germany
SO Ger. Offen., 55 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 10236910	A1	20040311	DE 2002-10236910	20020812
	WO 2004022542	A2	20040318	WO 2003-EP8889	20030811
	WO 2004022542	A3	20040603		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRAI DE 2002-10236910 A 20020812

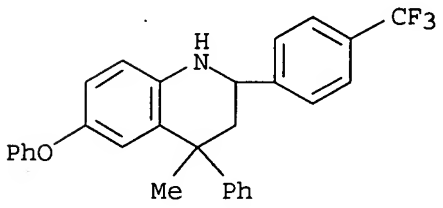
OS MARPAT 140:253456

IT **669778-57-8 669778-87-4 669778-95-4 669779-11-7 669779-28-6 669779-35-5 669779-37-7 669779-45-7 669779-86-6 669779-98-0 669780-06-7**

RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(preparation of tetrahydroquinolines and related compds. as sodium channel ligands for the treatment of pain)

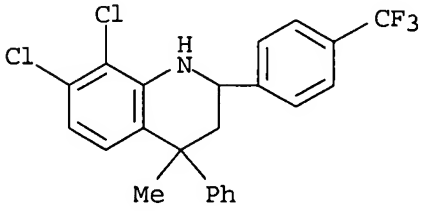
RN 669778-57-8 CAPLUS

CN Quinoline, 1,2,3,4-tetrahydro-4-methyl-6-phenoxy-4-phenyl-2-[4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



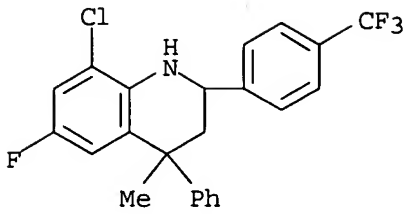
RN 669778-87-4 CAPLUS

CN Quinoline, 7,8-dichloro-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-[4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)

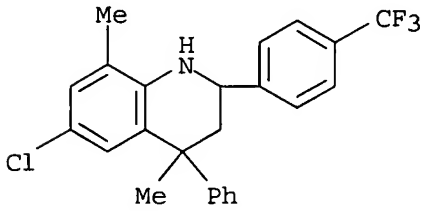


RN 669778-95-4 CAPLUS

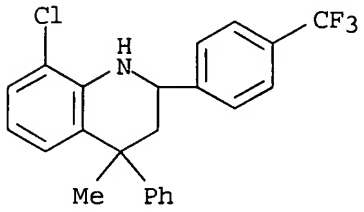
CN Quinoline, 8-chloro-6-fluoro-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-[4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



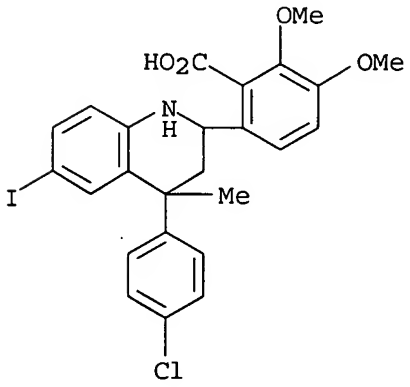
RN 669779-11-7 CAPLUS
CN Quinoline, 6-chloro-1,2,3,4-tetrahydro-4,8-dimethyl-4-phenyl-2-[4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



RN 669779-28-6 CAPLUS
CN Quinoline, 8-chloro-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-[4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)

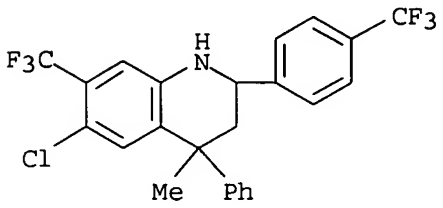


RN 669779-35-5 CAPLUS
CN Benzoic acid, 6-[4-(4-chlorophenyl)-1,2,3,4-tetrahydro-6-iodo-4-methyl-2-quinolinyl]-2,3-dimethoxy- (9CI) (CA INDEX NAME)

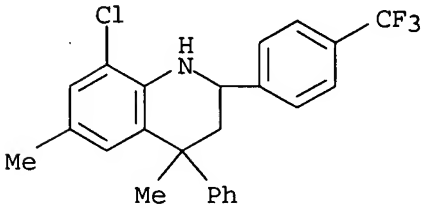


RN 669779-37-7 CAPLUS

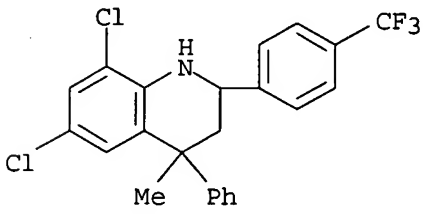
CN Quinoline, 6-chloro-1,2,3,4-tetrahydro-4-methyl-4-phenyl-7-(trifluoromethyl)-2-[4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



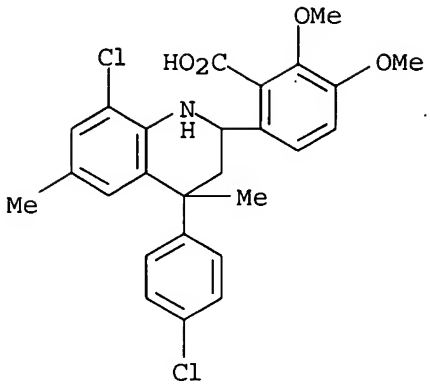
RN 669779-45-7 CAPLUS
CN Quinoline, 8-chloro-1,2,3,4-tetrahydro-4,6-dimethyl-4-phenyl-2-[4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



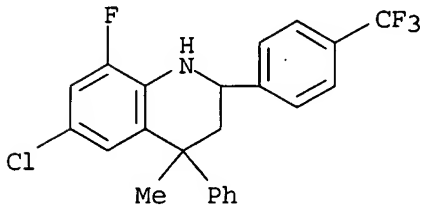
RN 669779-86-6 CAPLUS
CN Quinoline, 6,8-dichloro-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-[4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



RN 669779-98-0 CAPLUS
CN Benzoic acid, 6-[8-chloro-4-(4-chlorophenyl)-1,2,3,4-tetrahydro-4,6-dimethyl-2-quinolinyl]-2,3-dimethoxy- (9CI) (CA INDEX NAME)



RN 669780-06-7 CAPLUS
CN Quinoline, 6-chloro-8-fluoro-1,2,3,4-tetrahydro-4-methyl-4-phenyl-2-[4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



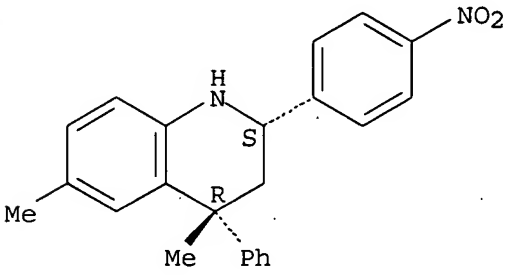
RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN
AB Cycloaddn. of N-arylimines with α-methylstyrenes or 2,3-dihydrofuran was efficiently catalyzed by tris(4-bromophenyl)aminium hexachloroantimonate (Ar3N+·SbCl6-) producing tetrahydroquinoline derivs. in excellent yields. The reaction was controlled sensitively by the oxidation potentials of the imine and the dienophile.
AN 2003:732818 CAPLUS
DN 140:42014
TI Cation radical imino Diels-Alder reaction: A new approach for the synthesis of tetrahydroquinolines
AU Jia, Xiaodong; Lin, Hechun; Huo, Congde; Zhang, Wei; Lue, Jianming; Yang, Li; Zhao, Guangyu; Liu, Zhong-Li
CS National Laboratory of Applied Organic Chemistry, Lanzhou University, Lanzhou, 730000, Peop. Rep. China
SO Synlett (2003), (11), 1707-1709
CODEN: SYNLES; ISSN: 0936-5214
PB Georg Thieme Verlag
DT Journal
LA English
OS CASREACT 140:42014
IT **506407-52-9P 506407-53-0P 506407-54-1P**
506407-64-3P 506407-65-4P 506407-66-5P
635303-04-7P 635303-05-8P 635303-06-9P
635303-07-0P 727653-41-0P 727653-65-8P
727653-68-1P 727653-73-8P
RL: SPN (Synthetic preparation); PREP (Preparation)

(preparation of tetrahydroquinolines via cation radical imino Diels-Alder reaction of N-arylimines with dienophiles catalyzed by tris(bromophenyl)aminium hexachloroantimonate)

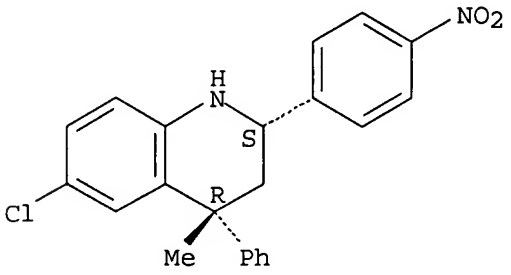
RN 506407-52-9 CAPLUS
CN Quinoline, 1,2,3,4-tetrahydro-4,6-dimethyl-2-(4-nitrophenyl)-4-phenyl-, (2R,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



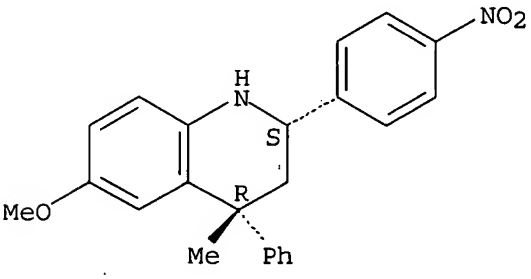
RN 506407-53-0 CAPLUS
CN Quinoline, 6-chloro-1,2,3,4-tetrahydro-4-methyl-2-(4-nitrophenyl)-4-phenyl-, (2R,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



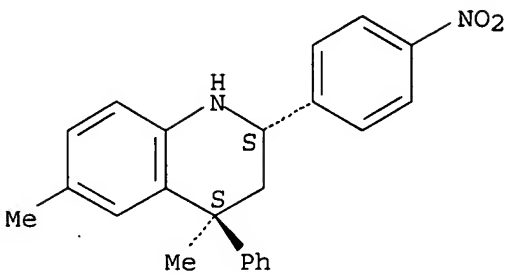
RN 506407-54-1 CAPLUS
CN Quinoline, 1,2,3,4-tetrahydro-6-methoxy-4-methyl-2-(4-nitrophenyl)-4-phenyl-, (2R,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



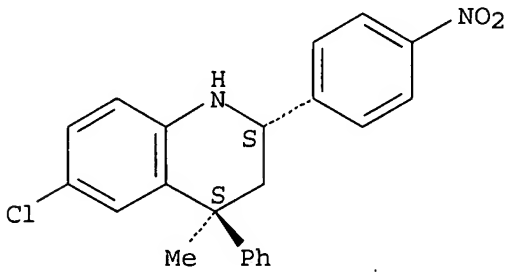
RN 506407-64-3 CAPLUS
CN Quinoline, 1,2,3,4-tetrahydro-4,6-dimethyl-2-(4-nitrophenyl)-4-phenyl-, (2R,4R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



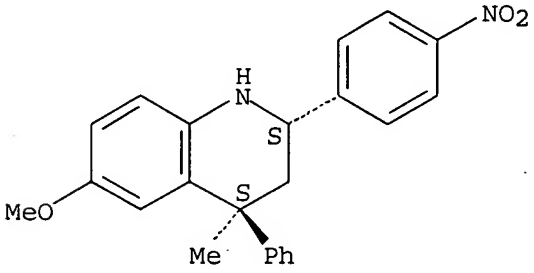
RN 506407-65-4 CAPLUS
CN Quinoline, 6-chloro-1,2,3,4-tetrahydro-4-methyl-2-(4-nitrophenyl)-4-phenyl-, (2R,4R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



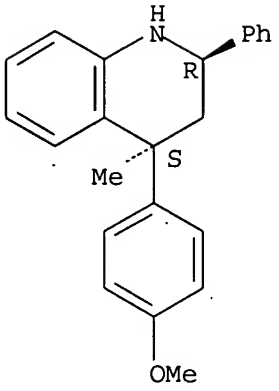
RN 506407-66-5 CAPLUS
CN Quinoline, 1,2,3,4-tetrahydro-6-methoxy-4-methyl-2-(4-nitrophenyl)-4-phenyl-, (2R,4R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



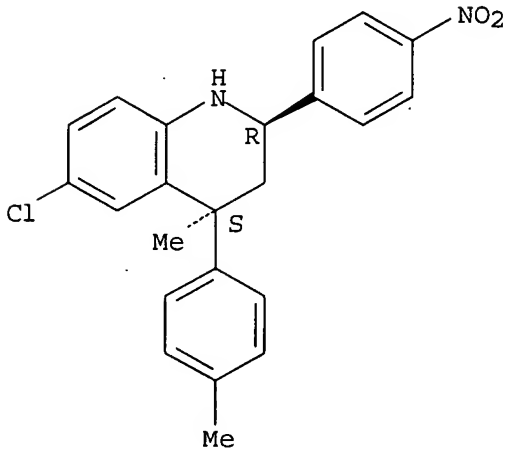
RN 635303-04-7 CAPLUS
CN Quinoline, 1,2,3,4-tetrahydro-4-(4-methoxyphenyl)-4-methyl-2-phenyl-, (2R,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



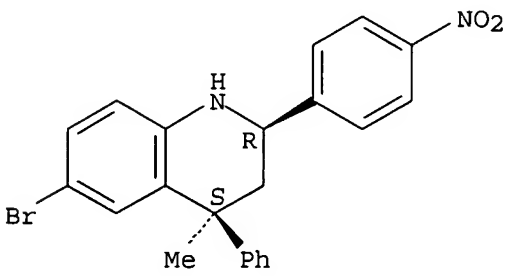
RN 635303-05-8 CAPLUS
CN Quinoline, 6-chloro-1,2,3,4-tetrahydro-4-methyl-4-(4-methylphenyl)-2-(4-nitrophenyl)-, (2R,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 635303-06-9 CAPLUS
CN Quinoline, 6-bromo-1,2,3,4-tetrahydro-4-methyl-2-(4-nitrophenyl)-4-phenyl-, (2R,4S)-rel- (9CI) (CA INDEX NAME)

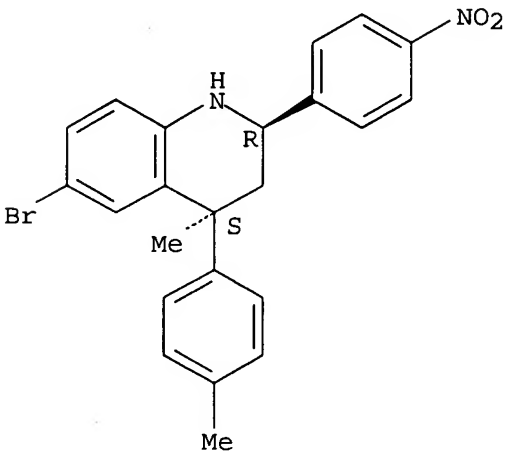
Relative stereochemistry.



RN 635303-07-0 CAPLUS

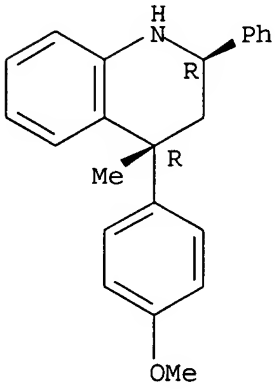
CN Quinoline, 6-bromo-1,2,3,4-tetrahydro-4-methyl-4-(4-methylphenyl)-2-(4-nitrophenyl)-, (2R,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



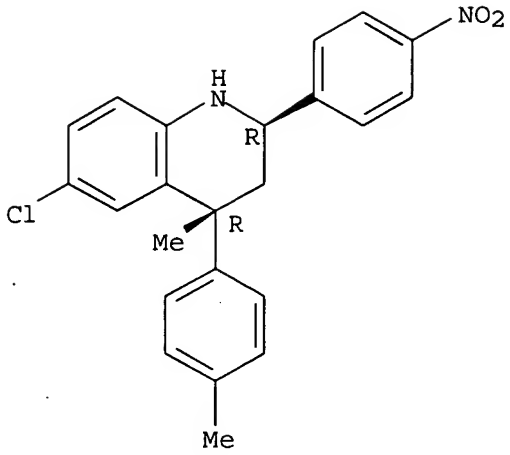
RN 727653-41-0 CAPLUS
CN Quinoline, 1,2,3,4-tetrahydro-4-(4-methoxyphenyl)-4-methyl-2-phenyl-, (2R,4R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



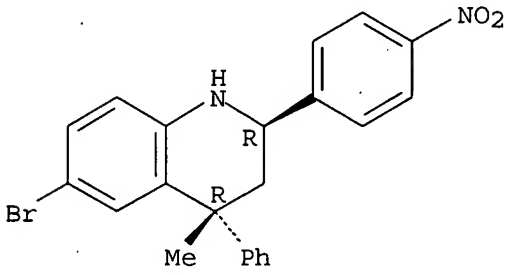
RN 727653-65-8 CAPLUS
CN Quinoline, 6-chloro-1,2,3,4-tetrahydro-4-methyl-4-(4-methylphenyl)-2-(4-nitrophenyl)-, (2R,4R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



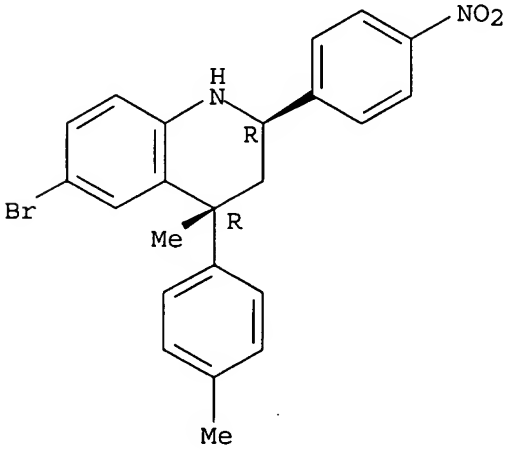
RN 727653-68-1 CAPLUS
CN Quinoline, 6-bromo-1,2,3,4-tetrahydro-4-methyl-2-(4-nitrophenyl)-4-phenyl-, (2R,4R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 727653-73-8 CAPLUS
CN Quinoline, 6-bromo-1,2,3,4-tetrahydro-4-methyl-4-(4-methylphenyl)-2-(4-nitrophenyl)-, (2R,4R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RE.CNT 30 THERE ARE 30 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN

AB A novel combined system of Yb(OTf)3 with TMSCl or TMSOTf catalyzed an imino ene reaction. The reaction of N-tosylbenzaldimine with α-methylstyrene proceeded smoothly to give TsNHCHPhCH2CPh:CH2 in the presence of a catalytic amount of Yb(OTf)3 and TMSCl. This catalytic system was successfully applied to the imino ene reactions of various aldimines with alkenes. This new imino ene reaction provides a unique method for the three-component coupling reaction of an aldehyde, tosylamide, and α-methylstyrene in the presence of Yb(OTf)3 and TMSOTf, to give the homoallylic amine.

AN 2003:213238 CAPLUS
DN 138:385135

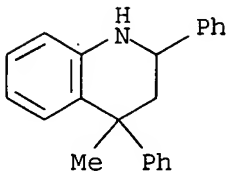
TI Imino Ene Reaction Catalyzed by Ytterbium(III) Triflate and TMSCl or TMSOTf

AU Yamanaka, Masamichi; Nishida, Atsushi; Nakagawa, Masako
CS Graduate School of Pharmaceutical Sciences, Chiba University, Inage, Chiba, 263-8522, Japan

SO Journal of Organic Chemistry (2003), 68(8), 3112-3120
CODEN: JOCEAH; ISSN: 0022-3263
PB American Chemical Society
DT Journal
LA English
OS CASREACT 138:385135

IT **30312-28-8P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(imino ene reaction catalyzed by ytterbium(III) triflate and TMSCl or TMSOTf)

RN 30312-28-8 CAPLUS
CN Quinoline, 1,2,3,4-tetrahydro-4-methyl-2,4-diphenyl- (9CI) (CA INDEX NAME)



RE.CNT 49 THERE ARE 49 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN

AB Irradiation (λ>345 nm) of catalytic amts. of 2,4,6-triphenylpyrylium tetrafluoroborate (TPT) in a CH2Cl2 solution of N-aryl imines and α-methylstyrene or styrene produced the corresponding [4+2] cycloaddn. products, tetrahydroquinoline derivs., in good yield. The reaction was controlled by the relative oxidation potentials of the dienophile and the diene.

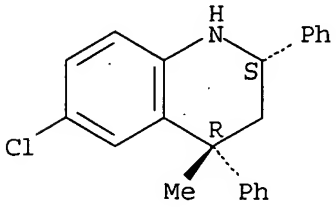
AN 2002:880560 CAPLUS
DN 138:287505

TI Photosensitized Diels-Alder reactions of N-arylimines: synthesis of tetrahydroquinoline derivatives

AU Zhang, Wei; Jia, Xiaodong; Yang, Li; Liu, Zhong-Li

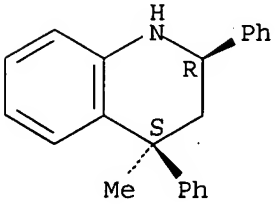
CS National Laboratory of Applied Organic Chemistry, Lanzhou University, Gansu, 730000, Peop. Rep. China
SO Tetrahedron Letters (2002), 43(51), 9433-9436
CODEN: TELEAY; ISSN: 0040-4039
PB Elsevier Science Ltd.
DT Journal
LA English
OS CASREACT 138:287505
IT **184226-21-9P 258851-87-5P 258851-91-1P**
506407-49-4P 506407-50-7P 506407-51-8P
506407-52-9P 506407-53-0P 506407-54-1P
506407-60-9P 506407-61-0P 506407-62-1P
506407-63-2P 506407-64-3P 506407-65-4P
506407-66-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of tetrahydroquinoline derivs. via photosensitized Diels-Alder reactions of N-arylimines and styrenes)
RN 184226-21-9 CAPLUS
CN Quinoline, 6-chloro-1,2,3,4-tetrahydro-4-methyl-2,4-diphenyl-, (2R,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



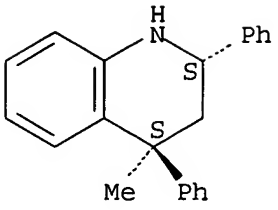
RN 258851-87-5 CAPLUS
CN Quinoline, 1,2,3,4-tetrahydro-4-methyl-2,4-diphenyl-, (2R,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



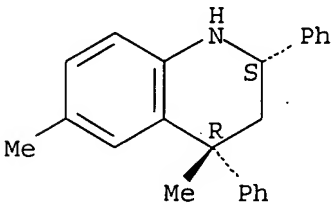
RN 258851-91-1 CAPLUS
CN Quinoline, 1,2,3,4-tetrahydro-4-methyl-2,4-diphenyl-, (2R,4R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



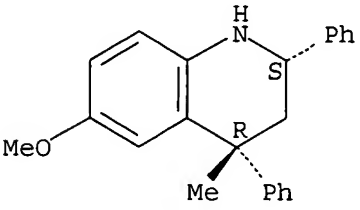
RN 506407-49-4 CAPLUS
CN Quinoline, 1,2,3,4-tetrahydro-4,6-dimethyl-2,4-diphenyl-, (2R,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



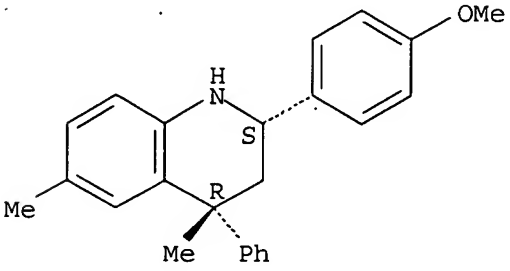
RN 506407-50-7 CAPLUS
CN Quinoline, 1,2,3,4-tetrahydro-6-methoxy-4-methyl-2,4-diphenyl-, (2R,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 506407-51-8 CAPLUS
CN Quinoline, 1,2,3,4-tetrahydro-2-(4-methoxyphenyl)-4,6-dimethyl-4-phenyl-, (2R,4S)-rel- (9CI) (CA INDEX NAME)

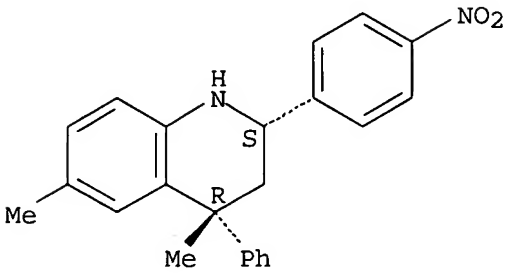
Relative stereochemistry.



RN 506407-52-9 CAPLUS
CN Quinoline, 1,2,3,4-tetrahydro-4,6-dimethyl-2-(4-nitrophenyl)-4-phenyl-,

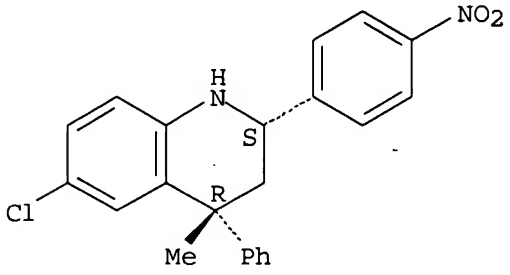
(2R,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



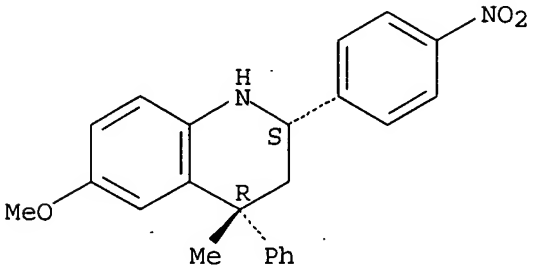
RN 506407-53-0 CAPLUS
CN Quinoline, 6-chloro-1,2,3,4-tetrahydro-4-methyl-2-(4-nitrophenyl)-4-phenyl-, (2R,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



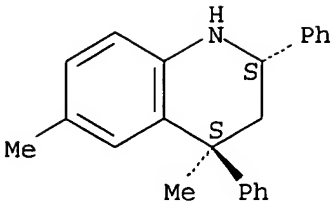
RN 506407-54-1 CAPLUS
CN Quinoline, 1,2,3,4-tetrahydro-6-methoxy-4-methyl-2-(4-nitrophenyl)-4-phenyl-, (2R,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



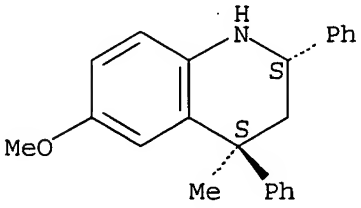
RN 506407-60-9 CAPLUS
CN Quinoline, 1,2,3,4-tetrahydro-4,6-dimethyl-2,4-diphenyl-, (2R,4R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



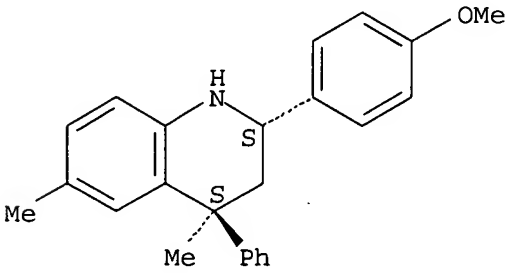
RN 506407-61-0 CAPLUS
CN Quinoline, 1,2,3,4-tetrahydro-6-methoxy-4-methyl-2,4-diphenyl-, (2R,4R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



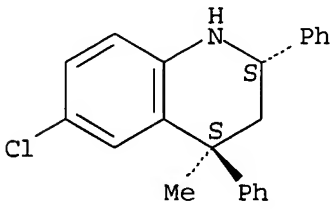
RN 506407-62-1 CAPLUS
CN Quinoline, 1,2,3,4-tetrahydro-2-(4-methoxyphenyl)-4,6-dimethyl-4-phenyl-, (2R,4R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 506407-63-2 CAPLUS
CN Quinoline, 6-chloro-1,2,3,4-tetrahydro-4-methyl-2,4-diphenyl-, (2R,4R)-rel- (9CI) (CA INDEX NAME)

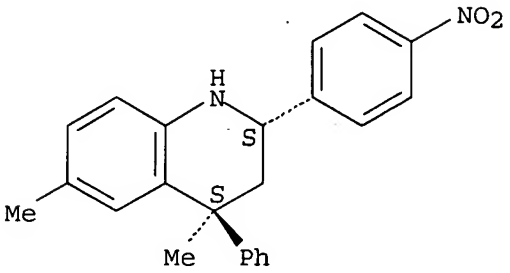
Relative stereochemistry.



RN 506407-64-3 CAPLUS
CN Quinoline, 1,2,3,4-tetrahydro-4,6-dimethyl-2-(4-nitrophenyl)-4-phenyl-,

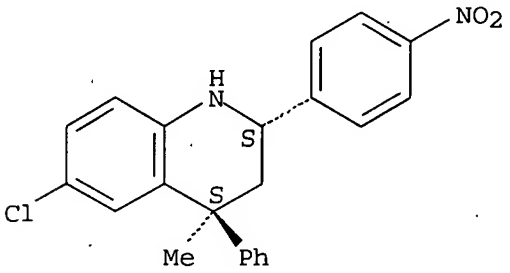
(2R,4R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



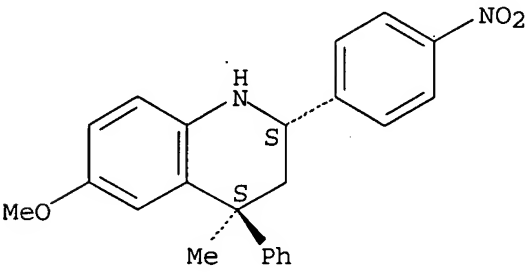
RN 506407-65-4 CAPLUS
CN Quinoline, 6-chloro-1,2,3,4-tetrahydro-4-methyl-2-(4-nitrophenyl)-4-phenyl-, (2R,4R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RN 506407-66-5 CAPLUS
CN Quinoline, 1,2,3,4-tetrahydro-6-methoxy-4-methyl-2-(4-nitrophenyl)-4-phenyl-, (2R,4R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.

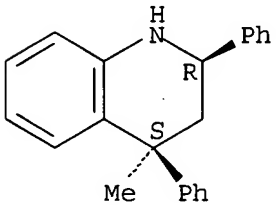


RE.CNT 39 THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 6 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN
AB Ytterbium trifluoromethanesulfonate [Yb(OTf)3] catalyzed the imino ene reaction of N-tosyl aldimine with α-methylstyrene to give a homoallylamine in moderate yield. Furthermore, addition of a catalytic amount of chlorotrimethylsilane (TMSCl) dramatically enhanced the imino ene reaction.

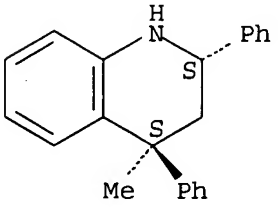
AN 1999:803639 CAPLUS
DN 132:165964
TI Ytterbium(III) Triflate/TMSCl: Efficient Catalyst for Imino Ene Reaction
AU Yamanaka, Masamichi; Nishida, Atsushi; Nakagawa, Masako
CS Faculty of Pharmaceutical Science, Chiba University, Inage-ku Chiba, 263-8522, Japan
SO Organic Letters (2000), 2(2), 159-161
CODEN: ORLEF7; ISSN: 1523-7060
PB American Chemical Society
DT Journal
LA English
OS CASREACT 132:165964
IT **258851-87-5P 258851-91-1P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(ytterbium(III) triflate/TMSCl catalyst system for the imino ene reaction of N-tosyl aldimine with α-methylstyrene)
RN 258851-87-5 CAPLUS
CN Quinoline, 1,2,3,4-tetrahydro-4-methyl-2,4-diphenyl-, (2R,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



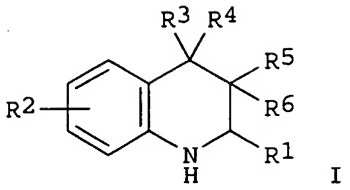
RN 258851-91-1 CAPLUS
CN Quinoline, 1,2,3,4-tetrahydro-4-methyl-2,4-diphenyl-, (2R,4R)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



RE.CNT 35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 7 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN
GI



I

AB A convenient method for library construction in liquid phase, which is based on lanthanide triflate (Ln(OTf)3)-catalyzed three-component reactions, has been developed. Equimolar amts. of each component, an aldehyde, an amine, and a silyl enol ether or an alkene, react smoothly in the presence of Ln(OTf)3, and the work-up and purification processes are performed by simply passing through a short column. The key is to use Ln(OTf)3 as a Lewis acid catalyst, which is not decomposed during the work-up and purification steps, and is easily separated from products by the simple procedure. According to this method, various high-quality β-amino ester and quinoline derivs. R2NHCHR1CR3R4COR5 (R1 = Ph, 2-furyl, PhCO, etc., R2 = Ph, PhCH2, 4-MeOC6H4, R3 = Me, H, PhCH2O, R4 = Me, H, OSiMe2CMe3, R5 = OMe, SEt, Ph) and I (R1 = Ph, 4-ClC6H4, α-naphthyl, etc., R2 = H, 4-Cl, cyclohexyl, etc., R3, R4, R5, R6 = alkene substituent) have been prepared in parallel in large quantities.

AN 1998:243718 CAPLUS
DN 128:270525

TI A convenient method for library construction: parallel synthesis of β-amino ester and quinoline derivatives in liquid phase using Ln(OTf)3-catalyzed three-component reactions

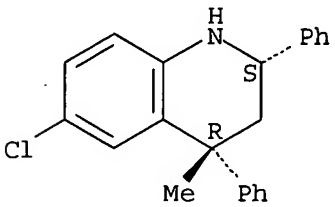
AU Kobayashi, Shu; Komiyama, Susumu; Ishitani, Haruro
CS Department of Applied Chemistry, Faculty of Science, Science University of Tokyo, Tokyo, 162, Japan

SO Biotechnology and Bioengineering (1998), 61(1), 23-31
CODEN: BIBIAU; ISSN: 0006-3592
PB John Wiley & Sons, Inc.
DT Journal
LA English

IT **184226-21-9P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(parallel synthesis of β-amino ester and quinoline derivs. using Ln(OTf)3-catalyzed three-component reactions)

RN 184226-21-9 CAPLUS
CN Quinoline, 6-chloro-1,2,3,4-tetrahydro-4-methyl-2,4-diphenyl-, (2R,4S)-rel- (9CI) (CA INDEX NAME)

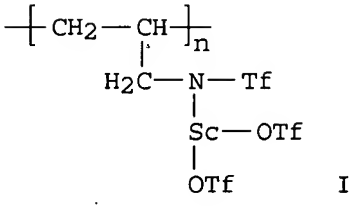
Relative stereochemistry.



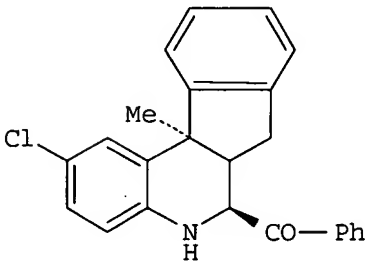
RE.CNT 59 THERE ARE 59 CITED REFERENCES AVAILABLE FOR THIS RECORD

ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 8 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN
GI



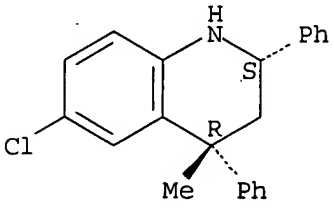
I



II

AB The poly(allylamine)-supported scandium catalyst I was prepared Quinolines were synthesized from anilines, arylaldehydes and alkenes in the presence of I. For example, the condensation of α-oxobenzeneacetaldehyde with 4-chloroaniline and 3-methyl-1H-indene gave II in 99% yield as a single diastereomer.
AN 1996:619167 CAPLUS
DN 126:31256
TI A New Methodology for Combinatorial Synthesis. Preparation of Diverse Quinoline Derivatives Using a Novel Polymer-Supported Scandium Catalyst
AU Kobayashi, Shu; Nagayama, Satoshi
CS Faculty of Science, Science University of Tokyo (SUT), Tokyo, 162, Japan
SO Journal of the American Chemical Society (1996), 118(37), 8977-8978
CODEN: JACSAT; ISSN: 0002-7863
PB American Chemical Society
DT Journal
LA English
OS CASREACT 126:31256
IT **184226-21-9P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of quinoline combinatorial library via poly(allylamine)-supported scandium catalyzed condensation reaction)
RN 184226-21-9 CAPLUS
CN Quinoline, 6-chloro-1,2,3,4-tetrahydro-4-methyl-2,4-diphenyl-, (2R,4S)-rel- (9CI) (CA INDEX NAME)

Relative stereochemistry.



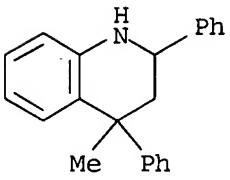
L4 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN
GI For diagram(s), see printed CA Issue.
AB Tetrahydroquinolines I (R = Me, CHMe2, Pr, n-C5H11; R1 = H, 6-Me, 6-OMe,

8-Me, 5,8-Me2) were prepared in 29-76% yield by condensing R1C6N4NH2 with PhCMe:CH2 and RCHO. 2,4-Dimethyl-4-vinyl-1,2,3,4-tetrahydroquinoline was similarly prepared from isoprene and 4-dimethyl derivs. of I from styrene.

AN 1973:515454 CAPLUS
DN 79:115454
TI 1,2,3,4-Tetrahydroquinolines
PA Chemische Werke Huels A.-G.
SO Fr., 15 pp.
CODEN: FRXXAK
DT Patent
LA French
FAN.CNT 2

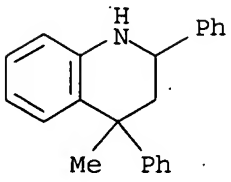
	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 1605038	A	19720828	FR 1968-1605038	19681211
	DE 1770170	A	19701223	DE 1967-1770170	19680410
PRAI	DE 1967-1770170	A	19680410		

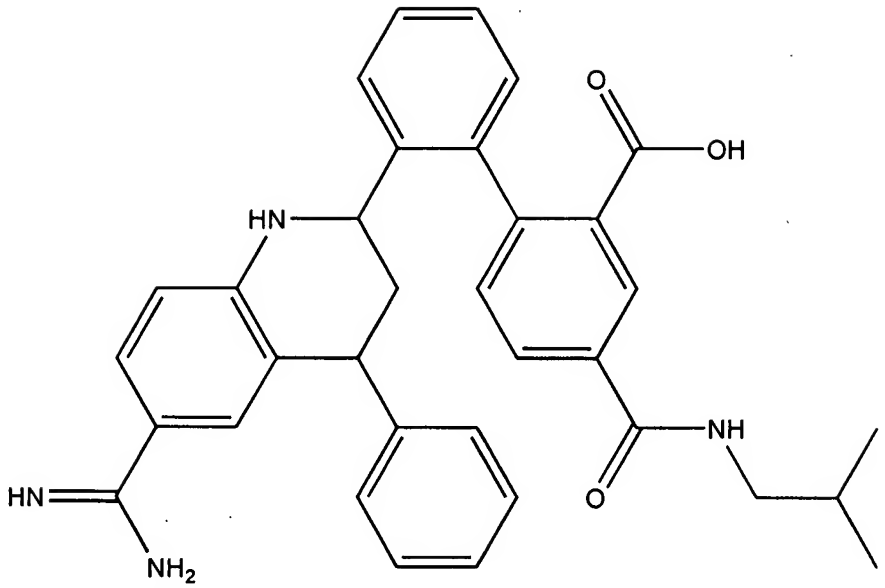
IT **30312-28-8P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 30312-28-8 CAPLUS
CN Quinoline, 1,2,3,4-tetrahydro-4-methyl-2,4-diphenyl- (9CI) (CA INDEX NAME)



L4 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN
GI For diagram(s), see printed CA Issue.
AB RC6H4NH2 (I) (where R = H, p-Me, p-MeO, p-Cl, 0-NO2, or p-NO2), R1CHO (II) (where R1 = Me, iso-Pr, C5H11, or Ph), and R2C(R3):CH2 (III) (where R2 = H or Me, R3 = Ph or CH:CH2) in HOAc and concentrated H2SO4 gave by cyclization the corresponding title compds. (IV). II (R1 = H) gave in this reaction predominantly 1-R2,1-R3,7-R2,7-R3-tetrasubstituted-2,3,6,7-tetrahydro-1H,5H-benzo[ij]quinolizines (V).
AN 1971:42266 CAPLUS
DN 74:42266
TI Synthesis of 1,2,3,4-tetrahydroquinolines
AU Hesse, Karl D.
CS Forschungslab., Chem. Werke Huels A.-G., Marl, Fed. Rep. Ger.
SO Justus Liebigs Annalen der Chemie (1970), 741, 117-23
CODEN: JLACBF; ISSN: 0075-4617
DT Journal
LA German
OS CASREACT 74:42266
IT **30312-28-8P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 30312-28-8 CAPLUS
CN Quinoline, 1,2,3,4-tetrahydro-4-methyl-2,4-diphenyl- (9CI) (CA INDEX

NAME)





2'(6-carbamimidoyl-4-phenyl-1,2,3,4-tetrahydro-quinolin-2-yl)-4-isobutylcarbamoyl-biphenyl-2-carboxylic acid

4/12/05

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     FILE 'CAPLUS' ENTERED AT 16:41:39 ON 12 APR 2005
L7           50 S L6

     FILE 'REGISTRY' ENTERED AT 16:42:34 ON 12 APR 2005

     FILE 'CAPLUS' ENTERED AT 16:42:36 ON 12 APR 2005
L8               STRUCTURE UPLOADED
                 S L8

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L9            6 S L8

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L10           1 S L9
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L11          94 S L8 FUL

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L12           2 S L11 FUL

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L13              STRUCTURE UPLOADED
L14           8 S L13 FUL

     FILE 'CAPLUS' ENTERED AT 16:49:23 ON 12 APR 2005
L15           2 S L14

=> s l15 not l12
L16           1 L15 NOT L12

=> d abs fbib hitstr

L16  ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2005 ACS on STN
GI
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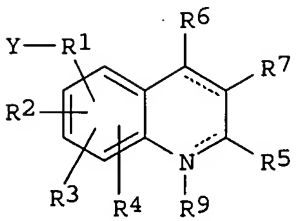
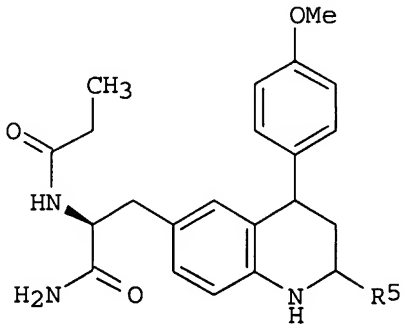


I



II

AB The invention relates to novel 4-substituted quinoline derivs. I, their salts, and combinatorial libraries containing mixts. of two or more such compds. [wherein R1 = bond, (un)substituted alk(en/yn)ylene, cycloalk(en)ylene, phenylene, naphthylene, heterocycle, heteroaryl, amino,

CH2CONH, (CH2)pAr(CH2)q, etc.; p, q = 0-6 but both cannot be 0; Ar = (un)substituted Ph or heteroaryl; R2, R3, R4 = H, halo, (un)protected OH, cyano, NO2, (un)substituted alk(en/yn)yl, alkoxy, cycloalk(en)yl, heterocyclyl, phenylalkyl, Ph, naphthyl, etc.; R5 = H, (un)substituted alk(en/yn)yl, cycloalk(en)yl, Ph, naphthyl, phenylalkyl, (un)protected CO2H, acyl, heterocyclyl, etc.; R6 = H, (un)substituted Ph, naphthyl, 2-oxopyrrolidin-1-yl and higher homologs, (un)substituted NHCHO; R7 = H, (un)substituted alkyl; Y = CO2H, OH, SH, NHR8, CONHR8, CH2OH, CH2NH2, CH2NHR8; R8 = H, (un)substituted alkyl, or functionalized resin; R9 = H, (un)substituted alkyl, phenylalkyl, acyl, PhSO2, alkylsulfonyl, alkylaminocarbonyl, or PhNHCO, or is absent; dotted lines = optional pi bonds]. The invention also relates to the generation of such libraries. In 12 examples, libraries of I ranging in size from 2380 to 39,440 compds. were prepared as mixed sublibraries. Data for control compds. (samples of individually known intermediates and products, cleaved from simultaneously processed control resins) are given for some examples. Both quinoline and tetrahydroquinoline libraries were prepared For instance, tea-bags of MBHA resin were each coupled with L- or D-N-BOC-p-nitrophenylalanine, the BOC groups were removed from both, and the amino groups were each acylated with 170 carboxylic acids. The acylated, resin-bound products were mixed and reduced at the nitro group, and the amine product mixts. were condensed with 58 different aldehydes and cyclized with 4-methoxystyrene. Cleavage of the resin-bound products with HF gave mixed sublibraries of I. Individual control samples of products, such as II [R5 = 1-naphthyl, 2,3-difluorophenyl, cyclohexyl, etc.], were obtained by reactions of pure, resin-bound L-N-propanoyl-p-aminophenylalanine control samples with individual aldehydes and 4-methoxystyrene. Potential applications of I (no data) may include use as antibacterials, NMDA antagonists, or analgesics.

AN 1998:543220 CAPLUS
DN 129:175563
TI 4-Substituted quinoline derivatives and 4-substituted quinoline combinatorial libraries
IN Hayes, Thomas K.; Forood, Behrouz; Kiely, John S.
PA Trega Biosciences, Inc., USA
SO PCT Int. Appl., 124 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI	WO 9834115	A1	19980806	WO 1997-US22391		19971205
	W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM					
	RW: GH, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG					
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	CA 2279977	AA	19980806	CA 1997-2279977		19971205
				US 1997-795392	A	19970204
				WO 1997-US22391	W	19971205
	AU 9881919	A1	19980825	AU 1998-81919		19971205
				US 1997-795392	A	19970204
				WO 1997-US22391	W	19971205

EP 977989		A1	20000209	EP 1997-949775		19971205
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US 6262269		B1	20010717	US 1998-17785		19980203
				US 1997-126414P	P	19970204
				US 1997-795392	A	19970204
US 6388081		B1	20020514	US 1999-376670		19990816
				US 1997-126414P	P	19970204
				US 1998-17785	A3	19980203

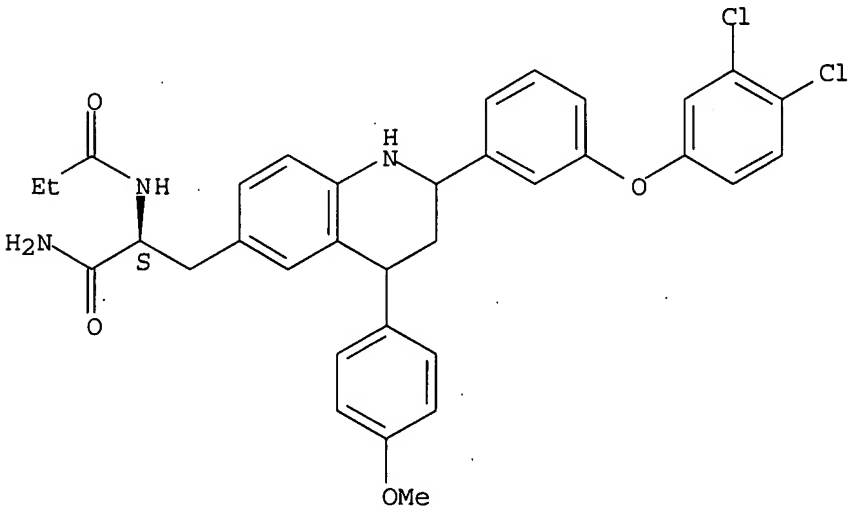
OS MARPAT 129:175563

IT **211492-55-6P 211492-67-0P 211493-20-8P 211493-65-1P 211493-73-1P 211494-06-3P 211494-15-4P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(resin-cleavage control product; preparation of 4-substituted quinoline derivs. and combinatorial libraries)

RN 211492-55-6 CAPLUS

CN 6-Quinolinepropanamide, 2-[3-(3,4-dichlorophenoxy)phenyl]-1,2,3,4-tetrahydro-4-(4-methoxyphenyl)-α-[(1-oxopropyl)amino]-, (αS)- (9CI) (CA INDEX NAME)

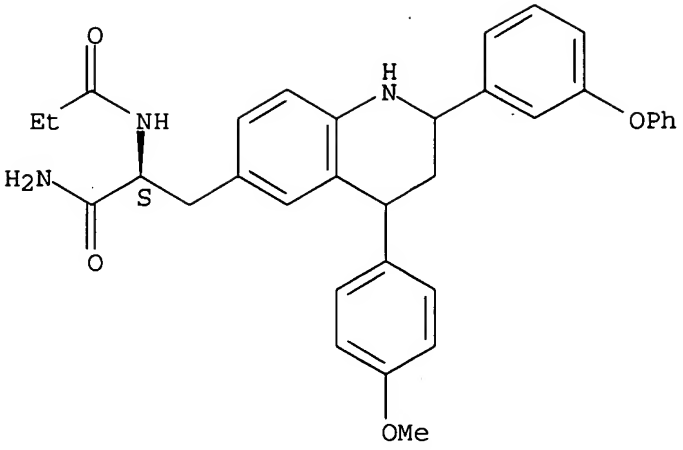
Absolute stereochemistry.



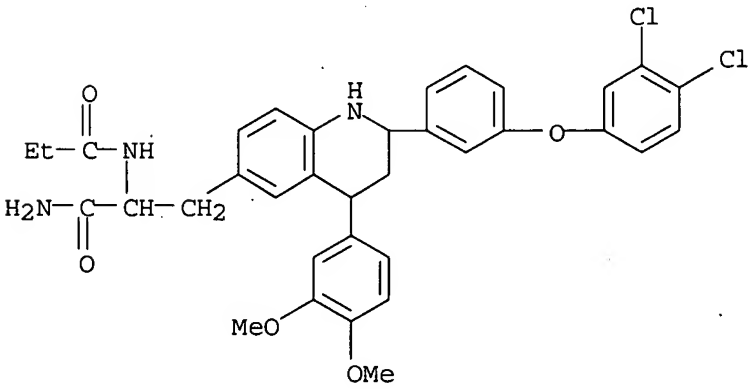
RN 211492-67-0 CAPLUS

CN 6-Quinolinepropanamide, 1,2,3,4-tetrahydro-4-(4-methoxyphenyl)-α-[(1-oxopropyl)amino]-2-(3-phenoxyphenyl)-, (αS)- (9CI) (CA INDEX NAME)

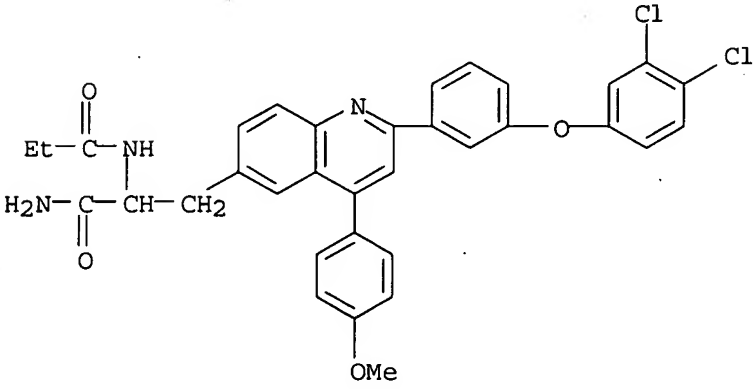
Absolute stereochemistry.



RN 211493-20-8 CAPLUS
CN 6-Quinolinepropanamide, 2-[3-(3,4-dichlorophenoxy)phenyl]-4-(3,4-dimethoxyphenyl)-1,2,3,4-tetrahydro-α-[(1-oxopropyl)amino]- (9CI) (CA INDEX NAME)



RN 211493-65-1 CAPLUS
CN 6-Quinolinepropanamide, 2-[3-(3,4-dichlorophenoxy)phenyl]-4-(4-methoxyphenyl)-α-[(1-oxopropyl)amino]- (9CI) (CA INDEX NAME)



RN 211493-73-1 CAPLUS
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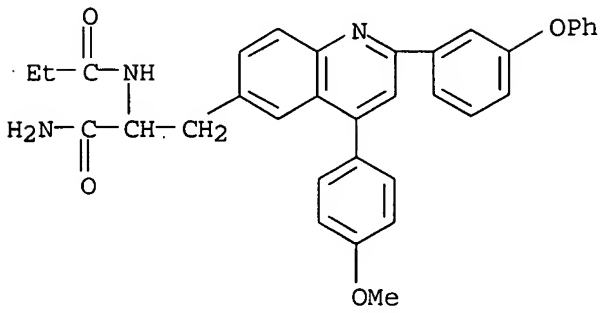
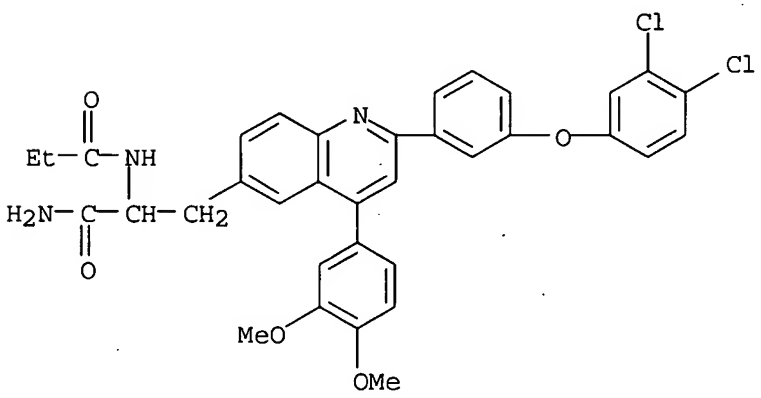


RN 211494-06-3 CAPLUS
CN 6-Quinolinepropanamide, 2-[3-(3,4-dichlorophenoxy)phenyl]-4-(3,4-dimethoxyphenyl)-α-[(1-oxopropyl)amino]- (9CI) (CA INDEX NAME)



RN 211494-15-4 CAPLUS
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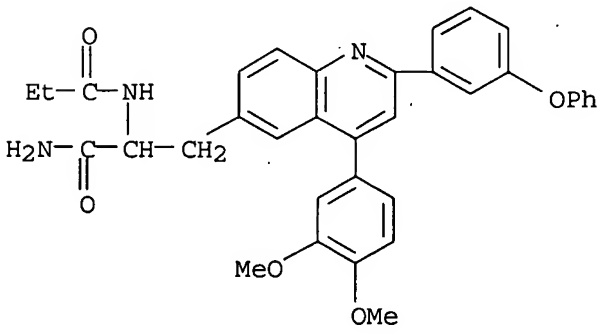

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

4/12/05

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=> file registry
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                          ENTRY     SESSION
FULL ESTIMATED COST                                        6.29      691.26

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)              SINCE FILE      TOTAL
                                                          ENTRY     SESSION
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FILE 'REGISTRY' ENTERED AT 16:51:06 ON 12 APR 2005
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STRUCTURE FILE UPDATES:   11 APR 2005  HIGHEST RN 848290-51-7
DICTIONARY FILE UPDATES:  11 APR 2005  HIGHEST RN 848290-51-7

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

*********************************************************************
*                                                                   *
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added,   *
* effective March 20, 2005.  A new display format, IDERL, is now    *
* available and contains the CA role and document type information. *
*                                                                   *
*********************************************************************

Crossover limits have been increased.  See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

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Uploading C:\Program Files\Stnexp\Queries\10796396.str

L17     STRUCTURE UPLOADED

=> d l17
L17 HAS NO ANSWERS
L17             STR

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY -  AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.


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10796396
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4/12/05

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SAMPLE SCREEN SEARCH COMPLETED - 70 TO ITERATE

100.0% PROCESSED 70 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 899 TO 1901
PROJECTED ANSWERS: 0 TO 0

L18 0 SEA SSS SAM L17

=> s l17 ful
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FULL SCREEN SEARCH COMPLETED - 1248 TO ITERATE

100.0% PROCESSED 1248 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

L19 0 SEA SSS FUL L17

=> file registry

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STRUCTURE FILE UPDATES: 11 APR 2005 HIGHEST RN 848290-51-7
DICTIONARY FILE UPDATES: 11 APR 2005 HIGHEST RN 848290-51-7

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

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*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
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Crossover limits have been increased. See HELP CROSSOVER for details.

4/12/05

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

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Uploading C:\Program Files\Stnexp\Queries\10796396.str

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L20 STR

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Structure attributes must be viewed using STN Express query preparation.

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100.0% PROCESSED 21771 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

L21 0 SEA SSS FUL L20

The Examiner is requested to consider the foregoing information in relation to this application and indicate that each reference was considered by returning a copy of the initialed PTO 1449 form(s).

Respectfully submitted,

Bristol-Myers Squibb Company
Patent Department
P.O. Box 4000
Princeton, NJ 08543-4000
(609) 252-3791

Date: May 25, 2004

Jing S. Belfield
Agent for Applicants
Reg. No. 45,914